APPENDIX D

HEALTH RISK ASSESSMENT TECHNICAL MEMORANDUM

MEMORANDUM

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From:	Heidi Rous and Noemi Wyss
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Date:	October 27, 2022
Subject:	Project Ollie – Health Risk Assessment

Purpose

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) resulting from the implementation of the proposed Nash Street Data Center Expansion Project (proposed Project) located at 444 North Nash Street in the City of El Segundo (City), in the County of Los Angeles (County). This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. Technical data is included as see Appendix A: Modeling Data.

Project Location

The Project site is located in the northeast quadrant of the City of El Segundo (City), in the County of Los Angeles (County), approximately 18-miles southwest of downtown Los Angeles. It is approximately 0.5-mile south of Los Angeles International Airport (LAX). Regional access to the site is provided via the San Diego Freeway (Interstate 405) located approximately 1.0-mile to the west and Interstate 105 located approximately to the south. Additionally, Sepulveda Boulevard (Highway 1) is located approximately 0.5-mile to the east. The Project site is 0.5-acre of a larger 6.13-acre parcel site (Assessor's Parcel Number 4138-003-007) mid-way between East Mariposa Avenue on the north and East Grand Avenue on the south. The Project site is fully developed and is currently occupied by an approximately 116,756-SF data center and 70 parking spaces that include 3 ADA required spaces. On the east side of the parcel, there are three existing generators as well as a Southern California Edison substation at the southeast corner of the parcel.

Project Description

The proposed project would install up to seven additional emergency generators on concrete platforms on the property. Five of the generators would be located on the north side of the building while two would be on the east side adjacent to eight existing[1] generators on the property.

[1] *At the time this technical study was performed four generators were installed and operational and four generators were being installed, pursuant to adoption of an MND and City approval in 2013. The presence of eight generators is the defined baseline for this technical study*

Health Risk Thresholds and Methodology

Health Risk Assessment Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether the impacts from the Project are significant. If the lead agency finds that the Project has the potential to exceed the air pollution thresholds, the Project should be considered significant. A project's impacts would be considered significant with respect to toxic air contaminant emissions if any of the following occurred:

- **Cancer Risk:** Emit contaminants that exceed the maximum individual cancer risk of 10 in one million.
- **Cancer Burden**: Emit contaminants resulting in a cancer burden greater than 0.5 excess cancer cases (in areas with individual cancer risk greater than 1 in 1 million)
- **Non-Cancer Risk:** Emit contaminants that exceed the maximum hazard quotient of 1 in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, the risk of contracting cancer from all air toxics in the basin is 420 in a million which is 42 times more than the SCAQMD's threshold of 10 in one million.[2]

Because the proposed generators are subject to SCAQMD rules and regulations, additional thresholds of significance may apply. Specifically, Rule 1401 *New Source Review of Toxic Air Contaminants* establishes limits for maximum individual cancer risk (MICR), cancer burden, and noncancer acute and chronic hazard index (HI) from new permit units, relocations, or modifications to existing permit units which emit applicable toxic air contaminants. DPM is a substance listed in Table 1 of the Rule.[3] Therefore, the requirements to allow the construction and use of the new generators are as follows:

1. **MICR and Cancer Burden:** The cumulative increase in MICR which is the sum of the calculated MICR values for all toxic air contaminants emitted from the new, relocated or modified permit unit will not result in any of the following:

[2]South Coast Air Quality Management District, *MATES V Estimated Risk*, https://experience.arcgis.com/experience/79d3b6304912414bb21ebdde80100b23/page/home/?data_id=dataSource_105-a5ba9580e3aa43508a793fac819a5a4d%3A315&views=view_38%2Cview_1, Accessed February 2, 2022.

[3] SCAQMD, Rule 1401; http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1401.pdf?sfvrsn=4 ; page 1401-17; Accessed January 26, 2022.

(A) an increased MICR greater than one in one million (1.0 x 10-6) at any receptor location, if the permit unit is constructed without TBACT;

(B) an increased MICR greater than ten in one million (10 x 10-6) at any receptor location, if the permit unit is constructed with T-BACT;

(C) a cancer burden greater than 0.5.

2. **Chronic Hazard Index:** The cumulative increase in total chronic HI for any target organ system due to total emissions from the new, relocated or modified permit unit owned or operated by the applicant for which applications were deemed complete on or after the date when the risk value for the compound is finalized by the state Office of Environmental Health Hazard Assessment (OEHHA) will not exceed 1.0 at any receptor location.
3. **Acute Hazard Index:** The cumulative increase in total acute HI for any target organ system due to total emissions from the new, relocated or modified permit unit owned or operated by the applicant for which applications were deemed complete on or after the date when the risk value for the compound is finalized by OEHHA will not exceed 1.0 at any receptor location.

SCAQMD Rule 1402 *Control of Toxic Air Contaminants From Existing Sources* reduces the health risk associated with emissions of TACs from existing sources by specifying notification risk levels, action risk levels, and significant risk levels (see Table 1: Facility-wide Risk Levels) for MICR, cancer burden, and non-cancer acute and chronic HI applicable to total facility emissions. The rule establishes requirements to implement Risk Reduction Plans to achieve specified risk limits, as required by the Hot Spots Act and this rule.

Table 1: Facility-wide Risk Levels

Indicator	Notification Risk Level	Action Risk Level	Significant Risk Level
MICR	10 in one million	25 in one million	100 in one million
Cancer burden	N/A	0.5	N/A
Acute HI	1.0	3.0	5.0
Chronic HI	1.0	3.0	5.0

Cancer burden means the estimated increase in the occurrence of cancer cases in a population subject to a MICR of greater than or equal to one in one million (1.0 x 10-6) resulting from exposure to TACs. The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

Methodology

This HRA was prepared in accordance with SCAQMD guidance which largely follows OEHHA but includes some notable local preferences. The report evaluates potential health risks associated with exposure of sensitive receptors to emissions from emergency generators located on the project site.

Dispersion Modeling

The air dispersion modeling for the operational risk assessment was performed using U.S. EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. AERMOD regulatory defaults, the "Urban" modeling option for the County, and "Elevated" terrain were used for this assessment. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project. Surface and upper air meteorological data is provided by CARB. Surface and upper air meteorological data from the Los Angeles International Airport was selected as being the most representative for meteorology based on proximity to the Project site.

The emission sources in the model are point sources for the emergency generators located on the project site. Generator emissions were assigned a release height of 20 feet (6.1 meters).

AERMOD was run to obtain the peak 1-hour and annual average (period) concentration in micrograms per cubic meter ($\mu g/m^3$) of PM_{10} at the nearby sensitive receptors. According to the SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximally Exposed Individual Resident (MEIR), the maximum chronic HI, the zones of impact, and excess cancer burden, as well as peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a receptor grid was placed over the nearest sensitive receptors to cover the zone of impact. According to the SCAQMD, in order "to identify the maximum impacted receptors (i.e. peak cancer risk and peak hazard indices) a grid spacing of 100 meters or less must be used" (see page 16 of SCAQMD's Supplemental Guidelines). Due to the size of the Project site, receptors were modeled with a maximum of 50-meter grid spacing. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project. The modeling and assessment was prepared in accordance with the SCAQMD Modeling Guidance for AERMOD.[4]

The cancer risk calculations were based on applying age sensitivity weighting factors for each emissions period modeled. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing TACs. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual. Only the risk associated with the worst-case location of the proposed Project was assessed. Risk levels were calculated according to the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, *Air Toxics Hot Spots Program Risk Assessment Guidelines* (February 2015).

Note that the concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at the Project site at any given point in time. Actual 1-hour and annual average concentrations are dependent on many variables, including specific distances during time periods of adverse meteorology. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. The chronic and carcinogenic health risk calculations are based on the standardized

[4] South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance, accessed January 19, 2022.

equations contained in the OEHHA Guidance Manual. Only the risk associated with the worst-case location of the Project was assessed.

Risk and Hazard Assessment

Cancer Risk. Based on the OEHHA methodology, residential inhalation cancer risk from annual average DPM concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time, yielding the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operations along nearby roadways. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{air} * (BR/BW) * A * EF * 10^{-6}$$

Where:

Dose-air	=	dose through inhalation (mg/kg/day)
C_{air}	=	air concentration ($\mu g/m^3$) from air dispersion model
(BR/BW)	=	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A	=	inhalation absorption factor (unitless)
EF	=	exposure frequency (approximately 350 days per year for residential)
10^{-6}	=	conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. In the absence of chemical-specific data, OEHHA recommends a default ASF presented in Table 2: Default Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the FAH values presented in Table 1.

Table 2: Default Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates

Age	Default Age Sensitivity Factor[1] (ASF)	Fraction of Time at Home (FAH)	Daily Breathing Rate (L/kg BW-day[2])
Third trimester	10	85%	361
0 to 2 years	10	85%	1,090
Ages 2 through 15 years	3	72%	745
Ages 16 and greater	1	73%	335

1. Accounts for potential increased sensitivity to carcinogens during childhood.
2. 95th percentile daily breathing rate normalized to body weight (L/kg body weight-day)
Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$Risk_{inh\text{-}res} = (Dose_{air} * CPF * ASF * (ED/AT) * FAH)$$

Where:

$Risk_{inh\text{-}res}$	=	residential inhalation cancer risk (potential chances per million)
$Dose_{air}$	=	daily dose through inhalation (mg/kg-day)
CPF	=	inhalation cancer potency factor (mg/kg-day^{-1})
ASF	=	age sensitivity factor for a specified age group (unitless)
ED	=	exposure duration (in years) for a specified age group
AT	=	averaging time of lifetime cancer risk (years)
FAH	=	Fraction of time spent at home (unitless)

Chronic Non-Cancer Hazard. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Quotient} = C_i/REL_i$$

Where:

Ci	=	Concentration in the air of substance i (annual average concentration in µg/m^3)
RELi	=	Chronic noncancer Reference Exposure Level for substance i (µg/m^3)

Acute Non-Cancer Hazard. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

$$\text{Acute HQ} = \text{Maximum Hourly Air Concentration (µg/m}^3\text{)} / \text{Acute REL (µg/m}^3\text{)}$$

Health Risk Computation

A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 30-year exposure scenario using CARB's Risk Assessment Stand Alone Tool (RAST). Health risk were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer health risk to an individual as well as the non-cancer chronic health index.

The off-site impacts would occur from the diesel trucks on the adjacent freeway. The cancer and chronic health risks are based on the annual average concentration of PM_{10}. As DPM does not have short-term toxicity values, acute risks were conservatively evaluated using hourly $PM_{2.5}$ concentrations and the REL for acrolein. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual (2015).

Potential Health Risk Impacts

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines

includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. The gas phase is composed of many of the urban TACs, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size or composition. The sizes of diesel particulates of greatest health concern are fine and ultrafine particles. These particles may be composed of elemental carbon with adsorbed compounds such as organics, sulfates, nitrates, metals, and other trace elements. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines.

Operational Health Risk Assessment

The Project would increase the number of on-site emergency generators from 8 to 15 which would potentially expose nearby sensitive receptors to an increase in air toxics and resultant health risks. Emergency generator emission rates were calculated using generator specifications.

Based on the AERMOD outputs, expected annual average diesel $PM_{2.5}$ emission concentrations from the Project's emergency generators to the sensitive receptors would be 0.003 µg/m^3 in the opening year. As shown in Table 3: Operational Risk Assessment Results, the highest calculated carcinogenic risk resulting from the Project is 4 per million s, which is below the lowest threshold of 10 per million. Acute and chronic hazards also would be below the Rule 1401 threshold of 1.0 and Rule 1402 threshold of 3.0.

Table 3: Operational Risk Assessment Results

Exposure Scenario	Pollutant Concentration (µg/m^3)	Maximum Cancer Risk (Risk per Million)	Chronic Noncancer Hazard	Acute Noncancer Hazard
Emergency Generator Individual (worker)	0.0001	0.01	0.00002	0.004
Emergency Generator Individual (resident)	0.0003	0.25	0.0001	0.004
Emergency Generator Facility (worker)	0.002	0.10	0.0004	0.058
Emergency Generator Facility (resident)	0.005	4.03	0.0009	0.058
Exceed CEQA Threshold?[3]	**No**	**No**	**No**	**No**
Exceed 1401 Threshold?[4]	**No**	**No**	**No**	**No**
Exceed 1402 Threshold?[5]	**No**	**No**	**No**	**No**

1. Refer to Appendix A: Modeling Data.
2. The maximum cancer for would be experienced at the soccer field northwest of the project site based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 25-year averaging time for workers. The residents are located east of the project site.
3. CEQA threshold is expose sensitive receptors to substantial pollutant concentrations (10 in one million cancer risk and 1.0 acute and chronic noncancer risk).
4. SCAQMD 1401 Threshold is 10 in one million cancer risk and 1.0 acute and chronic noncancer risk.
5. SCAQMD 1402 Threshold is 25 in one million cancer risk and 3.0 acute and chronic noncancer risk.

The pollutant concentrations modeled in AERMOD represent the exposure levels outdoors. The analysis conservatively does not include indoor exposure adjustments for residents. However, the typical person spends the majority of time indoors rather than remaining outdoors in the same location for 24 hours a

day.[5] Therefore, the AERMOD outdoor pollutant concentrations are not necessarily representative of actual exposure at the Project site and tend to overestimate exposure. The risk calculations are based on the pollutant concentration at the worst-case location and conservatively assume: no cleaner technology or lower emissions in future years, and 95th percentile breathing rates. Table 2 shows the cancer risk at the Project site would be less than significant.

Conclusion

As described above, impacts related to cancer risk would be less than applicable thresholds, limits, and action levels. Therefore, impacts related to health risk from the Project would be less than significant.

[5] California Air Resources Board Research Division and University of California, Berkeley, *Activity Patterns of California Residents,* May 1991. The study indicates that on average, adults and adolescents in California spent almost 15 hours per day inside the ir homes, and 6 hours in other indoor locations, for a total of 21 hours (87% of the day). Approximately two hours per day were spent in transit, and just over one hour per day was spent in outdoor locations.

1 REFERENCES

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5. California Air Resources Board, *Meteorological Files*, Available at: https://ww3.arb.ca.gov/toxics/harp/metfiles2.htm, accessed November 2021.
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9. Health Effects Institute, *Advanced Collaborative Emissions Study (ACES): Lifetime Cancer and Non-Cancer Assessment in Rats Exposed to New-Technology Diesel Exhaust*, January 2015.
10. Lakes Environmental, *AERMOD View Gaussian Plume Air Dispersion Model*, Version 10.0.0
11. Ralph Propper, et al., *Ambient and Emission Trends of Toxic Air Contaminants in California*, Environmental Science and Technology, September 2015.
12. South Coast Air Quality Management District, *Air Toxics Control Plan for the Next Ten Years*, March 2000.
13. South Coast Air Quality Management District, Addendum to the *Air Toxics Control Plan*, March 2004.
14. South Coast Air Quality Management District, *SCAQMD Meteorological Data for AERMOD,* www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/aermod-table-1, accessed February 21, 2020.
15. South Coast Air Quality Management District, *Multiple Air Toxics Exposure Study (MATES V)*, August 2021.
16. South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance, accessed February 21, 2020.
17. South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.
18. United States Environmental Protection Agency, *Exposure Factors Handbook: 2011 Edition*, September 2011.

Appendix A

Modeling Data

Table 1 Emergency Standby Generator Specifications[4]

Permitting Status		Existing Generators		Permitted Generators	Future Generators	
Manufacturer		CAT	CAT	CAT	CAT	CAT
Model		3516C HD	C-15	3516C	3516C	C-32
Rating	kWe	2,500	550	2,500	2,500	1,250
Power generation per unit @ 100% load	kWm	2,709	581	2,710	2,710	1,355
	HP	3,633	779	3,634	3,634	1,816
Number of units		3	1	4	5	2
Annual maximum maintenance and testing hours		50	50	50	50	50
Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel
Fuel high heat value	MMBtu/gal	0.138	0.138	0.138	0.138	0.138

1. Based on manufacturer specifications for CAT 3516c HD (existing) and CAT 3516C (proposed). C-15 information based on Certified Equipment Permits (CEP) provided by SCAQMD in December 2010.

2. Per SCAQMD Rule 1470(c) (2)(C) (i), maintenance and testing operations are limited to 50 hours per year per generator.

3. Potential to emit (PTE) of an engine is based on the limit of 50 hours on maintenane and testing operations per year, in accordance with South Coast AQMD's policy and procedures No. EC-02-09, dated 2/24/2009.

4. Total operation of emergency generators will be limited to 200 hours per year per generator and to be exempt from emissions limits set under Rule 1110.2 pursuant to Rule 1110.2(i)(1)(B).

Table 2 Emission Factors at 100% Operational Load

Pollutant	CAT 3516C HD Emission Factors (per generator)		CAT C-15 Emission Factors (per generator)		CAT 3516C Emission Factors (per generator)		CAT 3516C Emission Factors (per generator)		CAT C-32 Emission Factors (per generator)	
	g/hp-hr	lb/hr	g/hp-hr	lb/hr	g/hp-hr	lb/hr	g/hp-hr	lb/hr	g/hp-hr	lb/hr
Nox	3.7	29.63	2.85	4.89	3.79	30.36	3.79	30.36	3.79	15.17
CO	0.76	6.09	1.83	3.14	0.45	3.61	0.45	3.61	0.76	3.04
PM_{10}	0.05	0.40	0.098	0.17	0.05	0.40	0.05	0.40	0.05	0.20
$PM_{2.5}$	0.05	0.40	0.098	0.17	0.05	0.40	0.05	0.40	0.05	0.20
PM	0.05	0.40	0.098	0.17	0.05	0.40	0.05	0.40	0.05	0.20
SO_2	0.006	0.05	0.006	0.01	0.006	0.05	0.006	0.05	0.006	0.02
VOC	0.14	1.12	0.09	0.15	0.02	0.16	0.02	0.16	0.14	0.56
CO_2	518	4148.87	518	889.61	518	4150.01	518	4150.01	518	2073.52
N_2O	0.004	0.03	0.004	0.01	0.004	0.03	0.004	0.03	0.004	0.02
CH4	0.02	0.16	0.02	0.03	0.02	0.16	0.02	0.16	0.02	0.08
CO_2e	519	4156.88	519	891.33	519	4158.02	519	4158.02	519	2077.52
Benzene	0.002	0.02	0.002	0.00	0.02	0.16	0.02	0.16	0.002	0.01
Toluene	8.90E-04	0.01	8.90E-04	0.00	8.90E-04	0.01	8.90E-04	0.01	8.90E-04	0.00
Formaldehyde	2.50E-04	0.00	2.50E-04	0.00	2.50E-04	0.00	2.50E-04	0.00	2.50E-04	0.00
Acetaldehyde	8.00E-05	0.00	8.00E-05	0.00	8.00E-05	0.00	8.00E-05	0.00	8.00E-05	0.00
Acrolein	2.50E-05	0.00	2.50E-05	0.00	2.50E-05	0.00	2.50E-05	0.00	2.50E-05	0.00
Naphthalene	4.10E-04	0.00	4.10E-04	0.00	4.10E-04	0.00	4.10E-04	0.00	4.10E-04	0.00
Total HAP	0.005	0.04	5.00E-03	0.01	5.00E-03	0.04	5.00E-03	0.04	0.005	0.02

1. Existing CAT 3516C HD information based on manufacturer specifications. C-15 information based on Certified Equipment Permits (CEP) provided by SCAQMD in December 2010.

Emission factors of proposed CAT 3516C are based on CEP Application Number 554732. Emission factors were converted from (g/hp-hr) to (lb/hr) by multiplying the corresponding engine power (bhp) and converting from grams to pounds.

2. Conservatively estimate $PM=PM_{10}=PM_{2.5}$.

3. SO_2 emissions based on AP-42 Section 3.4 (10/96) emission rate of 8.09e-3 lb/hp-hr. Sulfur content of ultra-low sulfur diesel is 15 ppm.

4. Global Warming Potential from 40 CFR 98 Subpart A Table A-1. Emission factors from 40 CFR 98 Table C-1 and C-2 for petroleum fuel.

5. HAP emissions based on AP-42 Table 3.4-3. Speciated organic compound emission factors for large uncontrolled stationary diesel engines.

6. Proposed generators (CAT 3516C) is EPA Tier 2 certified and certified through SCAQMD, therefore meets the emission limits set under Rule 1470(c) (2)(C)(vii).

7. Sample Calculation:

$$100\%\ Load\ NO_x\left(^{lb}/_{hr}\right) = 3.70\ \left(^{g}/_{hp-hr}\right) * 3.633\ hp * \left(\frac{1\ lb}{453.592\ g}\right) = 29.63\ lb/hr$$

Table 3 Estimated Facility-wide Projected Annual Emissions and PTE[1]

Pollutant	CAT 3516C HD (total) PTE tpy	CAT C-15 (total) PTE tpy	CAT 3516C (total) PTE tpy	Future CAT 3516C (total) PTE tpy	Future CAT C-32 (total) PTE tpy	Facility-wide Emissions PTE lb/day	Facility-wide Emissions PTE tpy	Title V Threshold[2] tpy
Nox	2.22	0.12	3.04	3.80	0.76	54.44	9.94	10
CO	0.46	0.08	0.36	0.45	0.15	8.21	1.50	50
PM_{10}	0.03	0.004	0.04	0.05	0.01	0.74	0.13	70
$PM_{2.5}$	0.03	0.004	0.04	0.05	0.01	0.74	0.13	---
PM	0.03	0.004	0.04	0.05	0.01	0.74	0.13	---
SO2	0.00	2.6E-04	0.00	0.01	0.00	0.09	0.02	100
VOC	0.08	0.004	0.02	0.02	0.03	0.83	0.15	10
CO_2e	311.77	22.28	415.80	519.75	103.88	7525.92	1,373.48	100,000
Total HAP	0.003	2.15E-04	0.004	0.005	0.001	0.07	0.01	25

1. Potential to emit (PTE) is based on the limit of 50 hours on maintenance and testing operation per generator per year, in accordance with SCAQMD's policy and procedures No. EC-02-09, dated 2/24/2009. Maximum lb/day emissions are based on 365 days/year.

2. Title V thresholds pursuant to South Coast AQMD Rule 3001(b)(2) Table 2 and 3001(c)(9).

Pollutant	CAT 3516C Emission Factors (per generator)			CAT 3512C Emission Factors (per generator)			CAT C-15 Emission Factors (per generator)		
	g/hp-hr	lb/hr	g/s	g/hp-hr	lb/hr	g/s	g/hp-hr	lb/hr	g/s
PM	0.05	0.40	0.000288	0.05	0.20	0.000144	0.098	0.170	0.000122

		1hr	8hr	24hr	period
Facility	Worker	0.14524	0.0823	0.04279	0.00164
	Resident	0.14524	0.0823	0.04279	0.00456
Individual	Worker	0.01023	0.00536	0.0027	0.00014
	Resident	0.01023	0.00536	0.0027	0.00028

HARP 2 Risk Summary

Facility Workers

				Cancer	Chronic	Acute	
INDEX	**POLID/CAS**	**Pollutant**	**CONC**	**INH_RISK**	**RESP**	**CONC**	**RESP**
1	9901	DieselExhPM	1.64E-03	1.02E-07	3.28E-04	1.45E-01	0.00E+00
2	107028	Acrolein	0.00E+00	0.00E+00	0.00E+00	1.45E-01	5.81E-02
	Risk per Million (DPM)			0.10			

Individual Workers

				Cancer	Chronic	Acute	
INDEX	**POLID/CAS**	**Pollutant**	**CONC**	**INH_RISK**	**RESP**	**CONC**	**RESP**
1	9901	DieselExhPM	1.20E-04	7.43E-09	2.40E-05	1.02E-02	0.00E+00
2	107028	Acrolein	0.00E+00	0.00E+00	0.00E+00	1.02E-02	4.09E-03
	Risk per Million (DPM)			0.01			

Facility Residents

				Cancer	Chronic	Acute	
INDEX	**POLID/CAS**	**Pollutant**	**CONC**	**INH_RISK**	**RESP**	**CONC**	**RESP**
1	9901	DieselExhPM	4.56E-03	4.03E-06	9.12E-04	3.65E-02	0.00E+00
2	107028	Acrolein	0.00E+00	0.00E+00	0.00E+00	3.65E-02	1.46E-02
	Risk per Million (DPM)			4.03			

Individual Residents

				Cancer	Chronic	Acute	
INDEX	**POLID/CAS**	**Pollutant**	**CONC**	**INH_RISK**	**RESP**	**CONC**	**RESP**
1	9901	DieselExhPM	2.80E-04	2.48E-07	5.60E-05	1.02E-02	0.00E+00
2	107028	Acrolein	0.00E+00	0.00E+00	0.00E+00	1.02E-02	4.09E-03
	Risk per Million (DPM)			0.25			

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 2/3/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility
Residents.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Ollie Facility Residents.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
   LOCATION STCK5        POINT      371911.078  3754405.392       30.810
** DESCRSRC Generator 1 (3512C)
   LOCATION STCK6        POINT      371920.501  3754360.065       30.830
** DESCRSRC Generator 2 (3512C)
   LOCATION STCK7        POINT      371906.503  3754367.603       31.020
** DESCRSRC Generator 2 (3516C)
   LOCATION STCK8        POINT      371925.885  3754411.213       30.740
** DESCRSRC Generator 3 (3516C)
   LOCATION STCK9        POINT      371916.194  3754377.832       30.910
** DESCRSRC Generator 4 (3516C)
   LOCATION STCK10       POINT      371886.044  3754417.136       31.060
** DESCRSRC Generator 5 (3516C)
```

```
   LOCATION STCK11       POINT      371917.271  3754415.520       30.760
** DESCRSRC Generator 6 (3516C)
   LOCATION STCK12       POINT      371924.270  3754349.297       30.760
** DESCRSRC Generator 7 (3516C)
   LOCATION STCK13       POINT      371901.657  3754390.754       31.010
** DESCRSRC Generator 8 (3516C)
   LOCATION STCK14       POINT      371888.197  3754402.060       31.080
** DESCRSRC Generator 9 (3516C)
   LOCATION STCK15       POINT      371913.502  3754348.758       30.920
** DESCRSRC Generator 10 (3516C)
   LOCATION STCK16       POINT      371917.809  3754393.446       30.840
** DESCRSRC Generator 11 (3516C)
   LOCATION STCK17       POINT      371925.347  3754384.831       30.810
** DESCRSRC Generator 12 (3516C)
   LOCATION STCK18       POINT      371925.347  3754371.371       30.790
** DESCRSRC Generator 1 (C-15)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK5         0.000144     5.000   763.850 224.39084     0.229

   SRCPARAM STCK6         0.000144     5.000   763.850 224.39084     0.229

   SRCPARAM STCK7         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK8         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK9         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK10        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK11        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK12        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK13        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK14        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK15        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK16        0.000288     5.000   763.850  31.62397     0.229

   SRCPARAM STCK17        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK18        0.000122     5.000   763.850 224.39084     0.229

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
```

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**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Ollie Facility Residents.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLLIE FACILITY RESIDENTS.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OLLIE FACILITY RESIDENTS.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "OLLIE FACILITY RESIDENTS.AD\24H1GALL.PLT" 33
   PLOTFILE PERIOD ALL "OLLIE FACILITY RESIDENTS.AD\PE00GALL.PLT" 34
   SUMMFILE "Ollie Facility Residents.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
```

```
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 2/3/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility
Residents.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Ollie Facility Residents.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
   LOCATION STCK5        POINT      371911.078  3754405.392       30.810
** DESCRSRC Generator 1 (3512C)
   LOCATION STCK6        POINT      371920.501  3754360.065       30.830
** DESCRSRC Generator 2 (3512C)
   LOCATION STCK7        POINT      371906.503  3754367.603       31.020
** DESCRSRC Generator 2 (3516C)
   LOCATION STCK8        POINT      371925.885  3754411.213       30.740
** DESCRSRC Generator 3 (3516C)
   LOCATION STCK9        POINT      371916.194  3754377.832       30.910
** DESCRSRC Generator 4 (3516C)
   LOCATION STCK10       POINT      371886.044  3754417.136       31.060
** DESCRSRC Generator 5 (3516C)
```

```
   LOCATION STCK11       POINT      371917.271  3754415.520       30.760
** DESCRSRC Generator 6 (3516C)
   LOCATION STCK12       POINT      371924.270  3754349.297       30.760
** DESCRSRC Generator 7 (3516C)
   LOCATION STCK13       POINT      371901.657  3754390.754       31.010
** DESCRSRC Generator 8 (3516C)
   LOCATION STCK14       POINT      371888.197  3754402.060       31.080
** DESCRSRC Generator 9 (3516C)
   LOCATION STCK15       POINT      371913.502  3754348.758       30.920
** DESCRSRC Generator 10 (3516C)
   LOCATION STCK16       POINT      371917.809  3754393.446       30.840
** DESCRSRC Generator 11 (3516C)
   LOCATION STCK17       POINT      371925.347  3754384.831       30.810
** DESCRSRC Generator 12 (3516C)
   LOCATION STCK18       POINT      371925.347  3754371.371       30.790
** DESCRSRC Generator 1 (C-15)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK5         0.000144     5.000   763.850 224.39084     0.229
   SRCPARAM STCK6         0.000144     5.000   763.850 224.39084     0.229
   SRCPARAM STCK7         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK8         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK9         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK10        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK11        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK12        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK13        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK14        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK15        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK16        0.000288     5.000   763.850  31.62397     0.229
   SRCPARAM STCK17        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK18        0.000122     5.000   763.850 224.39084     0.229
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Ollie Facility Residents.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
```

```
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLLIE FACILITY RESIDENTS.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OLLIE FACILITY RESIDENTS.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "OLLIE FACILITY RESIDENTS.AD\24H1GALL.PLT" 33
   PLOTFILE PERIOD ALL "OLLIE FACILITY RESIDENTS.AD\PE00GALL.PLT" 34
   SUMMFILE "Ollie Facility Residents.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of           16 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320      67        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      68        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      69        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      70        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      71        PPARM: Input Parameter May Be Out-of-Range for Parameter
```

```
       VS
 SO W320      72        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      73        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      74        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      75        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      76        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      77        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      78        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      80        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 SO W320      81        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 ME W186     106       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     106       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***       13:41:55

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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    15 Source(s),
```

```
   for Total of    1 Urban Area(s):
   Urban Population =  10040000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
     and Calculates PERIOD Averages

 **This Run Includes:     15 Source(s);       1 Source Group(s); and     190
Receptor(s)

                with:     15 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
```

m for Missing
Hours
b for Both Calm
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 30.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Ollie Facility Residents.err

**File for Summary of Results: Ollie Facility Residents.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	BASE X (METERS)	STACK Y (METERS)	STACK ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.28800E-03	371900.7	3754412.6	30.9	5.00	763.85	224.39	0.23	NO	YES	NO	
STCK5	0	0.14400E-03	371911.1	3754405.4	30.8	5.00	763.85	224.39	0.23	NO	YES	NO	
STCK6	0	0.14400E-03	371920.5	3754360.1	30.8	5.00	763.85	224.39	0.23	NO	YES	NO	
STCK7	0	0.28800E-03	371906.5	3754367.6	31.0	5.00	763.85	224.39	0.23	NO	YES	NO	

```
 STCK8            0   0.28800E-03  371925.9 3754411.2    30.7     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK9            0   0.28800E-03  371916.2 3754377.8    30.9     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK10           0   0.28800E-03  371886.0 3754417.1    31.1     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK11           0   0.28800E-03  371917.3 3754415.5    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK12           0   0.28800E-03  371924.3 3754349.3    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK13           0   0.28800E-03  371901.7 3754390.8    31.0     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK14           0   0.28800E-03  371888.2 3754402.1    31.1     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK15           0   0.28800E-03  371913.5 3754348.8    30.9     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK16           0   0.28800E-03  371917.8 3754393.4    30.8     5.00   763.85
31.62      0.23    NO      YES   NO
 STCK17           0   0.28800E-03  371925.3 3754384.8    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK18           0   0.12200E-03  371925.3 3754371.4    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        13:41:55

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  ALL        STCK1       , STCK5       , STCK6       , STCK7       , STCK8       ,
STCK9       , STCK10      , STCK11      ,

             STCK12      , STCK13      , STCK14      , STCK15      , STCK16      ,
STCK17      , STCK18      ,
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        13:41:55

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

URBAN ID	URBAN POP	SOURCE IDs
	10040000.	STCK1 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 ,
		STCK12 , STCK13 , STCK14 , STCK15 , STCK16 , STCK17 , STCK18 ,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

372595.6, 372625.6, 372655.6, 372685.6, 372715.6, 372745.6, 372775.6, 372805.6, 372835.6, 372865.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3754133.9, 3754163.9, 3754193.9, 3754223.9, 3754253.9, 3754283.9, 3754313.9, 3754343.9, 3754373.9, 3754403.9,
3754433.9, 3754463.9, 3754493.9, 3754523.9, 3754553.9, 3754583.9, 3754613.9, 3754643.9, 3754673.9,

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	372595.60	372625.60	372655.60	372685.60	372715.60	372745.60	372775.60	372805.60	372835.60	
3754673.87	30.20	30.00	29.70	29.60	29.70	29.30	29.30	29.40	29.40	
3754643.87	30.10	30.00	29.80	29.70	29.40	29.30	29.20	29.00	28.90	
3754613.87	30.30	30.50	30.40	30.90	30.30	29.80	29.60	29.80	29.80	
3754583.87	30.30	30.50	30.40	30.60	30.40	29.70	29.50	29.60	30.00	
3754553.87	30.30	30.10	30.00	29.90	29.70	29.50	29.30	29.30	29.30	
3754523.87	30.20	30.10	30.20	30.00	29.90	29.70	29.60	29.60	29.40	
3754493.87	30.30	30.20	30.10	29.90	30.00	29.80	29.60	29.60	29.50	
3754463.87	30.30	30.30	30.30	29.40	29.40	29.30	29.20	29.10	29.00	
3754433.87	30.40	30.20	30.10	29.50	29.90	29.70	29.60	29.50	29.40	
3754403.87	30.40	30.00	29.80	29.40	29.40	29.20	29.10	29.00	29.00	
3754373.87	30.40	30.40	30.20	30.00	29.80	29.70	29.50	29.40	29.20	
3754343.87	30.40	30.50	30.30	30.10	29.90	29.70	29.60	29.50	29.50	
3754313.87	30.40	30.40	30.30	30.10	29.90	29.70	29.70	29.60	29.60	
3754283.87	30.40	30.50	30.30	30.30	30.10	30.00	29.90	29.80	29.90	
3754253.87	30.40	30.20	29.90	29.80	29.70	29.60	29.50	29.40	29.40	
3754223.87	30.30	30.40	30.30	30.10	30.00	29.90	29.70	29.60	29.50	
3754193.87	30.10	30.20	30.10	29.80	29.60	29.50	29.40	29.30	29.30	
3754163.87	30.40	30.30	30.20	29.90	29.80	29.60	29.50	29.40	29.40	
3754133.87	30.30	30.50	30.50	30.50	30.50	30.20	29.80	29.50	29.50	

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 372865.60
3754673.87	29.30
3754643.87	28.80
3754613.87	29.90
3754583.87	30.30
3754553.87	29.20
3754523.87	29.30
3754493.87	29.50
3754463.87	28.90
3754433.87	29.30
3754403.87	28.80
3754373.87	29.20
3754343.87	29.30
3754313.87	29.40
3754283.87	29.60
3754253.87	29.20
3754223.87	29.40
3754193.87	29.20
3754163.87	29.20
3754133.87	29.30

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)

```
   (METERS) |     372595.60    372625.60    372655.60    372685.60    372715.60
372745.60    372775.60    372805.60    372835.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3754673.87 |         30.20        30.00        29.70        29.60        29.70
    29.30        29.30        29.40        29.40
  3754643.87 |         30.10        30.00        29.80        29.70        29.40
    29.30        29.20        29.00        28.90
  3754613.87 |         30.30        30.50        30.40        30.90        30.30
    29.80        29.60        29.80        29.80
  3754583.87 |         30.30        30.50        30.40        30.60        30.40
    29.70        29.50        29.60        30.00
  3754553.87 |         30.30        30.10        30.00        29.90        29.70
    29.50        29.30        29.30        29.30
  3754523.87 |         30.20        30.10        30.20        30.00        29.90
    29.70        29.60        29.60        29.40
  3754493.87 |         30.30        30.20        30.10        29.90        30.00
    29.80        29.60        29.60        29.50
  3754463.87 |         30.30        30.30        30.30        29.40        29.40
    29.30        29.20        29.10        29.00
  3754433.87 |         30.40        30.20        30.10        29.50        29.90
    29.70        29.60        29.50        29.40
  3754403.87 |         30.40        30.00        29.80        29.40        29.40
    29.20        29.10        29.00        29.00
  3754373.87 |         30.40        30.40        30.20        30.00        29.80
    29.70        29.50        29.40        29.20
  3754343.87 |         30.40        30.50        30.30        30.10        29.90
    29.70        29.60        29.50        29.50
  3754313.87 |         30.40        30.40        30.30        30.10        29.90
    29.70        29.70        29.60        29.60
  3754283.87 |         30.40        30.50        30.30        30.30        30.10
    30.00        29.90        29.80        29.90
  3754253.87 |         30.40        30.20        29.90        29.80        29.70
    29.60        29.50        29.40        29.40
  3754223.87 |         30.30        30.40        30.30        30.10        30.00
    29.90        29.70        29.60        29.50
  3754193.87 |         30.10        30.20        30.10        29.80        29.60
    29.50        29.40        29.30        29.30
  3754163.87 |         30.40        30.30        30.20        29.90        29.80
    29.60        29.50        29.40        29.40
  3754133.87 |         30.30        30.50        30.50        30.50        30.50
    30.20        29.80        29.50        29.50
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        13:41:55

                                   PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** NETWORK ID: UCART4   ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 372865.60
3754673.87	29.30
3754643.87	28.80
3754613.87	29.90
3754583.87	30.30
3754553.87	29.20
3754523.87	29.30
3754493.87	29.50
3754463.87	28.90
3754433.87	29.30
3754403.87	28.80
3754373.87	29.20
3754343.87	29.30
3754313.87	29.40
3754283.87	29.60
3754253.87	29.20
3754223.87	29.40
3754193.87	29.20
3754163.87	29.20
3754133.87	29.30

*** MODELOPTs: RegDFAULT CONC ELEV 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

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

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

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,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
Met Version: 16216
Profile file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23174 Upper air station no.: 3190
Name: LOS_ANGELES/INT'L_ARPT 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	-5.9	0.105	-9.000	-9.000	-999.	82.	17.6	0.10	2.55	1.00	1.35	246.	10.1	282.5	2.0

```
 12 01 01   1 02  -21.8  0.218 -9.000 -9.000 -999.  244.     52.3  0.10   2.55
1.00    2.67  268.   10.1  282.0    2.0
 12 01 01   1 03  -10.3  0.139 -9.000 -9.000 -999.  127.     23.6  0.10   2.55
1.00    1.76  311.   10.1  281.4    2.0
 12 01 01   1 04   -3.3  0.080 -9.000 -9.000 -999.   55.     14.1  0.10   2.55
1.00    0.97  280.   10.1  282.0    2.0
 12 01 01   1 05  -10.9  0.144 -9.000 -9.000 -999.  131.     24.4  0.10   2.55
1.00    1.81  267.   10.1  281.4    2.0
 12 01 01   1 06  -20.5  0.205 -9.000 -9.000 -999.  223.     46.3  0.10   2.55
1.00    2.52  283.   10.1  282.5    2.0
 12 01 01   1 07   -5.5  0.101 -9.000 -9.000 -999.   83.     16.9  0.10   2.55
1.00    1.30  324.   10.1  281.4    2.0
 12 01 01   1 08   -4.3  0.096 -9.000 -9.000 -999.   71.     18.6  0.10   2.55
0.55    1.23   90.   10.1  282.5    2.0
 12 01 01   1 09   45.7  0.183  0.378  0.007   43.  188.    -12.2  0.10   2.55
0.32    1.67  106.   10.1  289.2    2.0
 12 01 01   1 10  117.3  0.180  0.751  0.007  131.  184.     -4.5  0.10   2.55
0.24    1.42  105.   10.1  293.8    2.0
 12 01 01   1 11  168.5  0.173  1.222  0.005  391.  173.     -2.8  0.10   2.55
0.21    1.25   27.   10.1  297.5    2.0
 12 01 01   1 12  186.3  0.227  1.521  0.005  680.  260.     -5.7  0.10   2.55
0.20    1.86   63.   10.1  299.2    2.0
 12 01 01   1 13  190.2  0.253  1.817  0.005 1136.  306.     -7.7  0.10   2.55
0.20    2.16  300.   10.1  296.4    2.0
 12 01 01   1 14  160.2  0.448  1.842  0.005 1405.  720.    -50.6  0.10   2.55
0.21    4.68  276.   10.1  291.4    2.0
 12 01 01   1 15  108.6  0.466  1.661  0.005 1520.  764.    -83.9  0.10   2.55
0.24    5.02  270.   10.1  289.9    2.0
 12 01 01   1 16   37.3  0.455  1.167  0.005 1543.  737.   -228.8  0.10   2.55
0.33    5.10  270.   10.1  288.1    2.0
 12 01 01   1 17  -31.4  0.381 -9.000 -9.000 -999.  569.    159.8  0.10   2.55
0.59    4.54  268.   10.1  287.5    2.0
 12 01 01   1 18  -36.0  0.365 -9.000 -9.000 -999.  529.    146.4  0.10   2.55
1.00    4.37  274.   10.1  286.4    2.0
 12 01 01   1 19  -29.6  0.301 -9.000 -9.000 -999.  398.     99.5  0.10   2.55
1.00    3.63  271.   10.1  286.4    2.0
 12 01 01   1 20  -21.0  0.213 -9.000 -9.000 -999.  239.     49.9  0.10   2.55
1.00    2.61  271.   10.1  286.4    2.0
 12 01 01   1 21  -10.3  0.140 -9.000 -9.000 -999.  128.     24.0  0.10   2.55
1.00    1.77  281.   10.1  286.4    2.0
 12 01 01   1 22  -22.9  0.230 -9.000 -9.000 -999.  265.     58.3  0.10   2.55
1.00    2.81  270.   10.1  285.9    2.0
 12 01 01   1 23  -37.0  0.374 -9.000 -9.000 -999.  550.    154.2  0.10   2.55
1.00    4.48  272.   10.1  285.9    2.0
 12 01 01   1 24  -24.0  0.243 -9.000 -9.000 -999.  299.     65.0  0.10   2.55
1.00    2.96  274.   10.1  285.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 , STCK16 , STCK17 , STCK18 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 372595.60	372625.60	372655.60	372685.60	372715.60	372745.60	372775.60	372805.60	372835.60
3754673.87	0.00305	0.00303	0.00300	0.00296	0.00293	0.00287	0.00283	0.00278	0.00273
3754643.87	0.00342	0.00337	0.00331	0.00324	0.00317	0.00310	0.00302	0.00295	0.00287
3754613.87	0.00380	0.00372	0.00362	0.00355	0.00343	0.00331	0.00321	0.00312	0.00303
3754583.87	0.00412	0.00400	0.00386	0.00374	0.00361	0.00345	0.00333	0.00322	0.00313
3754553.87	0.00437	0.00419	0.00401	0.00385	0.00369	0.00354	0.00339	0.00327	0.00315
3754523.87	0.00452	0.00430	0.00411	0.00392	0.00374	0.00357	0.00342	0.00328	0.00314
3754493.87	0.00456	0.00432	0.00410	0.00389	0.00371	0.00354	0.00337	0.00323	0.00309
3754463.87	0.00446	0.00422	0.00400	0.00375	0.00357	0.00340	0.00324	0.00310	0.00296
3754433.87	0.00424	0.00400	0.00378	0.00356	0.00341	0.00324	0.00309	0.00295	0.00282
3754403.87	0.00391	0.00368	0.00348	0.00329	0.00314

3754673.87 | 0.00268
3754643.87 | 0.00280
3754613.87 | 0.00295
3754583.87 | 0.00304

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 , STCK16 , STCK17 , STCK18 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	372595.60	372625.60	372655.60	372685.60	372715.60
3754673.9	0.03302 (15100118)	0.03162 (15102818)	0.03028 (15102818)	0.02900 (15102818)	0.02782 (14092718)
3754643.9	0.03358 (15102818)	0.03201 (16031321)	0.03062 (16031321)	0.02934 (15062622)	0.02805 (15062622)
3754613.9	0.03415 (16031319)	0.03276 (16031319)	0.03135 (16081419)	0.03025 (15101718)	0.02888 (15101718)
3754583.9	0.03492 (16081419)	0.03338 (15101718)	0.03189		
3754553.87	0.00303				
3754523.87	0.00302				
3754493.87	0.00297				
3754463.87	0.00284				
3754433.87	0.00270				
3754403.87	0.00251				
3754373.87	0.00232				
3754343.87	0.00210				
3754313.87	0.00188				
3754283.87	0.00166				
3754253.87	0.00145				
3754223.87	0.00126				
3754193.87	0.00109				
3754163.87	0.00094				
3754133.87	0.00081				

(15101718)   0.03057 (15101718)   0.02915 (16081820)
 3754553.9 | 0.03522 (16081819)   0.03357 (15102118)   0.03210
(15102118)   0.03069 (15102118)   0.02928 (15102118)
 3754523.9 | 0.03564 (15102118)   0.03385 (15091522)   0.03236
(16081220)   0.03087 (16081220)   0.02950 (16081220)
 3754493.9 | 0.03600 (16042019)   0.03423 (16042019)   0.03257
(16081120)   0.03103 (16081120)   0.02971 (14081119)
 3754463.9 | 0.03628 (14072220)   0.03456 (14072220)   0.03294
(14072220)   0.03101 (14072220)   0.02964 (16061920)
 3754433.9 | 0.03652 (15100120)   0.03464 (15100120)   0.03295
(15100120)   0.03116 (15091519)   0.02998 (15091519)
 3754403.9 | 0.03653 (12100919)   0.03448 (12100919)   0.03270
(12100919)   0.03104 (14092720)   0.02972 (14092720)
 3754373.9 | 0.03648 (14051924)   0.03468 (14051924)   0.03291
(13051319)   0.03134 (15102018)   0.02994 (15102018)
 3754343.9 | 0.03651 (12100818)   0.03476 (12100818)   0.03299
(14102520)   0.03144 (14102520)   0.03000 (14102520)
 3754313.9 | 0.03616 (12102320)   0.03447 (13062521)   0.03284
(13062521)   0.03128 (13062521)   0.02982 (13062521)
 3754283.9 | 0.03595 (15111001)   0.03429 (15111001)   0.03257
(15111001)   0.03111 (12102320)   0.02973 (14111518)
 3754253.9 | 0.03561 (15042619)   0.03378 (13102805)   0.03212
(13102805)   0.03065 (13102805)   0.02925 (14013104)
 3754223.9 | 0.03498 (13102806)   0.03336 (16042722)   0.03180
(16042722)   0.03026 (16042722)   0.02899 (14013104)
 3754193.9 | 0.03462 (13102806)   0.03317 (13102806)   0.03163
(13102806)   0.03006 (13102806)   0.02860 (13102806)
 3754163.9 | 0.03406 (15110418)   0.03256 (15110418)   0.03114
(14040106)   0.02977 (14040106)   0.02852 (15110717)
 3754133.9 | 0.03367 (15040319)   0.03240 (15040319)   0.03097
(15040319)   0.02974 (15110418)   0.02856 (15110418)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   , STCK5
 , STCK6   , STCK7   , STCK8   ,
                 STCK9   , STCK10   , STCK11   , STCK12   , STCK13
 , STCK14   , STCK15   , STCK16   ,
                 STCK17   , STCK18   ,

                                    *** NETWORK ID: UCART4   ; NETWORK TYPE: GRIDCART ***

Y-COORD (METERS)	X-COORD (METERS)			
	372745.60	372775.60	372805.60	372835.60	372865.60
3754673.9	0.02660 (13033119)	0.02559 (15062622)	0.02481 (12081419)	0.02398 (12081419)	0.02313 (15091319)
3754643.9	0.02699 (12081419)	0.02595 (12081419)	0.02492 (15091319)	0.02403 (15091319)	0.02316 (14061620)
3754613.9	0.02756 (15101718)	0.02640 (15101718)	0.02543 (16090919)	0.02454 (16090919)	0.02375 (16082119)
3754583.9	0.02773 (16081820)	0.02658 (15102118)	0.02565 (16071620)	0.02486 (15092818)	0.02409 (15092818)
3754553.9	0.02795 (15102118)	0.02669 (13100618)	0.02571 (13100618)	0.02478 (16101620)	0.02385 (16101620)
3754523.9	0.02816 (16081220)	0.02698 (14081119)	0.02597 (14081119)	0.02494 (16091019)	0.02402 (16091019)
3754493.9	0.02837 (14081119)	0.02714 (15020819)	0.02608 (15090519)	0.02509 (12100920)	0.02418 (12100920)
3754463.9	0.02838 (14072720)	0.02721 (14072720)	0.02611 (14072720)	0.02507 (14072720)	0.02409 (14072720)
3754433.9	0.02861 (15091519)	0.02741 (14082819)	0.02635 (14082819)	0.02535 (14082819)	0.02441 (14082819)
3754403.9	0.02843 (15102018)	0.02726 (15102018)	0.02618 (14082819)	0.02521 (14082819)	0.02422 (14082819)
3754373.9	0.02867 (15102018)	0.02745 (15102018)	0.02634 (15102018)	0.02526 (15102018)	0.02432 (15102018)
3754343.9	0.02865 (14102520)	0.02744 (14102520)	0.02630 (14102520)	0.02529 (13100219)	0.02429 (13100219)
3754313.9	0.02845 (13062521)	0.02726 (15112719)	0.02613 (15112719)	0.02513 (14020821)	0.02417 (14020821)
3754283.9	0.02850 (14111518)	0.02733 (14111518)	0.02622 (14111518)	0.02525 (14111518)	0.02419 (14111518)
3754253.9	0.02800 (14013104)	0.02681 (15052204)	0.02577 (14111518)	0.02486 (14111518)	0.02392 (14111518)
3754223.9	0.02789 (14013104)	0.02678 (14013104)	0.02575 (14013104)	0.02476 (14013104)	0.02382 (14013104)
3754193.9	0.02727 (15110717)	0.02616 (13100920)	0.02529 (13100920)	0.02447 (13100920)	0.02363 (13100920)
3754163.9	0.02735 (15110717)	0.02625 (15110717)	0.02517 (15110717)	0.02416 (15110717)	0.02313 (15110717)
3754133.9	0.02727 (15110418)	0.02606 (14040106)	0.02499 (14040106)	0.02410 (15110717)	0.02319 (15110717)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 , STCK16 , STCK17 , STCK18 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 372595.60	372625.60	372655.60	372685.60	372715.60
3754673.9	0.02745m(16031324)	0.02679m(16031324)	0.02600m(16031324)	0.02524m(16031324)	0.02451m(16031324)
3754643.9	0.02876m(16031324)	0.02780m(16031324)	0.02676m(16031324)	0.02574m(16031324)	0.02463m(16031324)
3754613.9	0.02948m(16031324)	0.02838m(16031324)	0.02711m(16031324)	0.02610m(16031324)	0.02469m(16031324)
3754583.9	0.02924m(16031324)	0.02791m(16031324)	0.02646m(16031324)	0.02521m(16031324)	0.02385m(16031324)
3754553.9	0.02810m(16031324)	0.02644m(16031324)	0.02509 (15121024)	0.02383 (15121024)	0.02261 (15121024)
3754523.9	0.02822 (15121024)	0.02662 (15121024)	0.02519 (15121024)	0.02385 (15091524)	0.02311 (15091524)
3754493.9	0.02787 (15121024)	0.02617 (15121024)	0.02505 (15091524)	0.02410 (15091524)	0.02333 (15091524)
3754463.9	0.02679 (15091524)	0.02577 (15091524)	0.02480 (15091524)	0.02344 (15091524)	0.02258 (15091524)
3754433.9	0.02745 (15052208)	0.02595 (15052208)	0.02461 (15052208)	0.02322 (15052208)	0.02221 (15052208)
3754403.9	0.02745 (15052208)	0.02584 (15052208)	0.02453 (12100924)	0.02343 (12100924)	0.02258 (12100924)
3754373.9	0.02682 (12100924)	0.02576 (12100924)	0.02466 (12100924)	0.02364 (12100924)	0.02269 (12100924)
3754343.9	0.02687 (16030624)	0.02553 (16030624)	0.02419 (16030624)	0.02295 (16030624)	0.02201 (12100924)
3754313.9	0.02631 (16030624)	0.02506 (16030624)	0.02392		

```
(12121524)      0.02285 (12121524)      0.02186 (12121524)
 3754283.9 |      0.02627 (12121524)      0.02526 (12121524)      0.02417
(12121524)      0.02324 (12121524)      0.02228 (12121524)
 3754253.9 |      0.02548 (12121524)      0.02452 (12121524)      0.02355
(12121524)      0.02271 (12121524)      0.02191 (12121524)
 3754223.9 |      0.02387 (12121524)      0.02329 (12121524)      0.02262
(12121524)      0.02192 (12121524)      0.02126 (12121524)
 3754193.9 |      0.02163 (12121524)      0.02133 (12121524)      0.02092
(12121524)      0.02040 (12121524)      0.01991 (12121524)
 3754163.9 |      0.01980 (12110908)      0.01917 (12110908)      0.01893
(12121524)      0.01865 (12121524)      0.01839 (12121524)
 3754133.9 |      0.01795 (12110908)      0.01763 (12110908)      0.01721
(12110908)      0.01678 (12121524)      0.01673 (12121524)
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       13:41:55

                                   PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                STCK17      , STCK18      ,

                                   *** NETWORK ID: UCART4   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      372745.60              372775.60              372805.60
       372835.60              372865.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754673.9 |      0.02355m(16031324)      0.02275m(16031324)
0.02196m(16031324)      0.02115m(16031324)      0.02032m(16031324)
 3754643.9 |      0.02361m(16031324)      0.02262m(16031324)
0.02162m(16031324)      0.02069m(16031324)      0.01979m(16031324)
 3754613.9 |      0.02337m(16031324)      0.02222m(16031324)
0.02126m(16031324)      0.02028m(16031324)      0.01937m(16031324)
 3754583.9 |      0.02239m(16031324)      0.02120m(16031324)
0.02018m(16031324)      0.01942 (15091524)      0.01908 (15091524)
 3754553.9 |      0.02160 (15091524)      0.02098 (15091524)      0.02045
```

(15091524)   0.01991 (15091524)   0.01934 (15091524)
 3754523.9 | 0.02233 (15091524)   0.02161 (15091524)   0.02095
(15091524)   0.02024 (15091524)   0.01959 (15091524)
 3754493.9 | 0.02244 (15091524)   0.02160 (15091524)   0.02087
(15091524)   0.02014 (15091524)   0.01947 (15091524)
 3754463.9 | 0.02172 (15091524)   0.02090 (15091524)   0.02012
(15091524)   0.01939 (15091524)   0.01869 (15091524)
 3754433.9 | 0.02133 (12100924)   0.02058 (12100924)   0.01987
(12100924)   0.01919 (12100924)   0.01854 (12100924)
 3754403.9 | 0.02170 (12100924)   0.02090 (12100924)   0.02015
(12100924)   0.01947 (12100924)   0.01876 (12100924)
 3754373.9 | 0.02183 (12100924)   0.02099 (12100924)   0.02023
(12100924)   0.01948 (12100924)   0.01882 (12100924)
 3754343.9 | 0.02118 (12100924)   0.02043 (12100924)   0.01972
(12100924)   0.01907 (12100924)   0.01839 (12100924)
 3754313.9 | 0.02093 (12121524)   0.02014 (12121524)   0.01935
(12121524)   0.01864 (12121524)   0.01791 (12121524)
 3754283.9 | 0.02141 (12121524)   0.02060 (12121524)   0.01983
(12121524)   0.01915 (12121524)   0.01840 (12121524)
 3754253.9 | 0.02114 (12121524)   0.02041 (12121524)   0.01971
(12121524)   0.01906 (12121524)   0.01838 (12121524)
 3754223.9 | 0.02062 (12121524)   0.01996 (12121524)   0.01936
(12121524)   0.01876 (12121524)   0.01818 (12121524)
 3754193.9 | 0.01944 (12121524)   0.01896 (12121524)   0.01849
(12121524)   0.01803 (12121524)   0.01755 (12121524)
 3754163.9 | 0.01807 (12121524)   0.01775 (12121524)   0.01742
(12121524)   0.01708 (12121524)   0.01669 (12121524)
 3754133.9 | 0.01656 (12121524)   0.01633 (12121524)   0.01609
(12121524)   0.01589 (12121524)   0.01562 (12121524)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   STCK1   , STCK5
 , STCK6   , STCK7   , STCK8   ,
                 STCK9   , STCK10   , STCK11   , STCK12   , STCK13
 , STCK14   , STCK15   , STCK16   ,
                 STCK17   , STCK18   ,

                                   *** NETWORK ID: UCART4   ; NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      372595.60              372625.60              372655.60
       372685.60              372715.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754673.9 |      0.01072m(16031324)      0.01046m(16031324)
0.01015m(16031324)      0.00985m(16031324)      0.00957m(16031324)
 3754643.9 |      0.01122m(16031324)      0.01085m(16031324)
0.01044m(16031324)      0.01005m(16031324)      0.00961m(16031324)
 3754613.9 |      0.01151m(16031324)      0.01108m(16031324)
0.01058m(16031324)      0.01041 (14071724)      0.01013 (14071724)
 3754583.9 |      0.01187 (14071724)      0.01166 (14071724)      0.01137
(14071724)      0.01113 (14071724)      0.01080 (14071724)
 3754553.9 |      0.01275 (14071724)      0.01231 (14071724)      0.01190
(14071724)      0.01149 (14071724)      0.01108 (14071724)
 3754523.9 |      0.01370c(14040124)      0.01302c(14040124)
0.01241c(14040124)      0.01180c(14040124)      0.01124c(14040124)
 3754493.9 |      0.01456c(14040124)      0.01376c(14040124)
0.01301c(14040124)      0.01232c(14040124)      0.01170c(14040124)
 3754463.9 |      0.01507c(14040124)      0.01419c(14040124)
0.01339c(14040124)      0.01255c(14040124)      0.01188c(14040124)
 3754433.9 |      0.01550 (14032624)      0.01449 (14032624)      0.01358
(14032624)      0.01273 (14032624)      0.01202 (14032624)
 3754403.9 |      0.01566 (14032624)      0.01460 (14032624)      0.01366
(14032624)      0.01280 (14032624)      0.01205 (14032624)
 3754373.9 |      0.01539 (14032624)      0.01441 (14033024)      0.01360
(14033024)      0.01286 (14033024)      0.01219 (14033024)
 3754343.9 |      0.01504 (12110924)      0.01411 (12110924)      0.01330
(14033024)      0.01261 (14033024)      0.01197 (14033024)
 3754313.9 |      0.01498 (12110924)      0.01408 (12110924)      0.01325
(12110924)      0.01248 (12110924)      0.01177 (12110924)
 3754283.9 |      0.01454 (12110924)      0.01374 (12110924)      0.01297
(12110924)      0.01228 (12110924)      0.01162 (12110924)
 3754253.9 |      0.01380 (12110924)      0.01308 (12110924)      0.01240
(12110924)      0.01179 (12110924)      0.01122 (12110924)
 3754223.9 |      0.01282 (12110924)      0.01228 (12110924)      0.01174
(12110924)      0.01121 (12110924)      0.01072 (12110924)
 3754193.9 |      0.01167 (12110924)      0.01128 (12110924)      0.01087
(12110924)      0.01044 (12110924)      0.01003 (12110924)
 3754163.9 |      0.01051 (12110924)      0.01023 (12110924)      0.00994
(12110924)      0.00962 (12110924)      0.00931 (12110924)
 3754133.9 |      0.00928 (12110924)      0.00915 (12110924)      0.00898
(12110924)      0.00879 (12110924)      0.00858 (12110924)
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        13:41:55
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 , STCK16 , STCK17 , STCK18 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	372745.60	372775.60	372805.60	372835.60	372865.60
3754673.9	0.00920m(16031324)	0.00888m(16031324)	0.00858m(16031324)	0.00826m(16031324)	0.00794 (14071724)
3754643.9	0.00922m(16031324)	0.00891 (14071724)	0.00875 (14071724)	0.00859 (14071724)	0.00843 (14071724)
3754613.9	0.00985 (14071724)	0.00961 (14071724)	0.00942 (14071724)	0.00920 (14071724)	0.00900 (14071724)
3754583.9	0.01038 (14071724)	0.01006 (14071724)	0.00979 (14071724)	0.00957 (14071724)	0.00933 (14071724)
3754553.9	0.01067 (14071724)	0.01028 (14071724)	0.00994 (14071724)	0.00961 (14071724)	0.00929 (14071724)
3754523.9	0.01077 (14071724)	0.01035 (14071724)	0.00997 (14071724)	0.00958 (14071724)	0.00922 (14071724)
3754493.9	0.01110c(14040124)	0.01055c(14040124)	0.01005c(14040124)	0.00958c(14040124)	0.00915c(14040124)
3754463.9	0.01125c(14040124)	0.01068c(14040124)	0.01014c(14040124)	0.00965c(14040124)	0.00920c(14040124)
3754433.9	0.01134 (14032624)	0.01072 (14032624)	0.01015 (14032624)	0.00965c(14040124)	0.00919 (14033024)
3754403.9	0.01141 (14033024)	0.01086 (14033024)	0.01035 (14033024)	0.00989 (14033024)	0.00944 (14033024)
3754373.9	0.01158 (14033024)	0.01101 (14033024)	0.01049 (14033024)	0.01001 (14033024)	0.00957 (14033024)
3754343.9	0.01139 (14033024)	0.01085 (14033024)	0.01036 (14033024)	0.00991 (14033024)	0.00947 (14033024)
3754313.9	0.01113 (12110924)	0.01055 (12110924)	0.01000 (12110924)	0.00958 (14033024)	0.00918 (14033024)
3754283.9	0.01102 (12110924)	0.01046 (12110924)	0.00995		

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(12110924)      0.00948 (12110924)      0.00902 (12110924)
 3754253.9 |      0.01068 (12110924)      0.01017 (12110924)      0.00970
(12110924)      0.00927 (12110924)      0.00885 (12110924)
 3754223.9 |      0.01025 (12110924)      0.00980 (12110924)      0.00938
(12110924)      0.00898 (12110924)      0.00861 (12110924)
 3754193.9 |      0.00965 (12110924)      0.00927 (12110924)      0.00892
(12110924)      0.00858 (12110924)      0.00825 (12110924)
 3754163.9 |      0.00900 (12110924)      0.00870 (12110924)      0.00841
(12110924)      0.00813 (12110924)      0.00785 (12110924)
 3754133.9 |      0.00834 (12110924)      0.00809 (12110924)      0.00785
(12110924)      0.00763 (12110924)      0.00739 (12110924)
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        13:41:55

                                   PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **



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

ALL       1ST HIGHEST VALUE IS       0.00456 AT (  372595.60,  3754493.87,
30.30,    30.30,    0.00)  GC  UCART4
          2ND HIGHEST VALUE IS       0.00452 AT (  372595.60,  3754523.87,
30.20,    30.20,    0.00)  GC  UCART4
          3RD HIGHEST VALUE IS       0.00446 AT (  372595.60,  3754463.87,
30.30,    30.30,    0.00)  GC  UCART4
          4TH HIGHEST VALUE IS       0.00437 AT (  372595.60,  3754553.87,
30.30,    30.30,    0.00)  GC  UCART4
          5TH HIGHEST VALUE IS       0.00432 AT (  372625.60,  3754493.87,
30.20,    30.20,    0.00)  GC  UCART4
          6TH HIGHEST VALUE IS       0.00430 AT (  372625.60,  3754523.87,
30.10,    30.10,    0.00)  GC  UCART4
          7TH HIGHEST VALUE IS       0.00424 AT (  372595.60,  3754433.87,
30.40,    30.40,    0.00)  GC  UCART4
          8TH HIGHEST VALUE IS       0.00422 AT (  372625.60,  3754463.87,
30.30,    30.30,    0.00)  GC  UCART4
          9TH HIGHEST VALUE IS       0.00419 AT (  372625.60,  3754553.87,
```

30.10,   30.10,   0.00) GC UCART4
         10TH HIGHEST VALUE IS   0.00412 AT (372595.60, 3754583.87,
30.30,   30.30,   0.00) GC UCART4

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
              **

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

ALL   HIGH   1ST HIGH VALUE IS   0.03653 ON 12100919: AT (372595.60,
3754403.87,   30.40,   30.40,   0.00) GC UCART4

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

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

ALL      HIGH   1ST HIGH VALUE IS       0.02948m ON 16031324: AT (  372595.60,
3754613.87,    30.30,    30.30,    0.00)  GC  UCART4


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        13:41:55

                                   PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

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

ALL      HIGH   1ST HIGH VALUE IS       0.01566  ON 14032624: AT (  372595.60,
3754403.87,    30.40,    30.40,    0.00)  GC  UCART4


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 16 Warning Message(s)
A Total of 718 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 458 Calm Hours Identified

A Total of 260 Missing Hours Identified (0.59 Percent)

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

******** WARNING MESSAGES ********
SO W320 67 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 68 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 69 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 70 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 71 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 72 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 73 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 74 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 75 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 76 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 77 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 78 PPARM: Input Parameter May Be Out-of-Range for Parameter

```
       VS
SO W320      80        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320      81        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
ME W186     106       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187     106       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

*HARP - HRACalc v19044 2/3/2022 3:03:20 PM - Cancer Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_15_Residents_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK
1			9901	DieselExhP	0.00456	4.03E-06	30YrCancerHighEnd	*	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	30YrCancerHighEnd	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/3/2022 3:03:20 PM - Acute Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_15_Residents_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE1	ENDO	BLOOD	ODOR	GENERAL
	1		9901	DieselExhP	0.03653	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2		107028	Acrolein	0.03653	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-02	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/3/2022 3:03:20 PM - Chronic Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_15_Residents_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR
	1		9901	DieselExhP	0.00456	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2		107028	Acrolein	0	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE
0.00E+00	*	4.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1ST_DRIVE	2ND_DRIVE	3RD_DRIVE	PASTURE_(	FISH_CONC	WATER_CONC
INHALATIO	NA	NA	0.00E+00	0.00E+00	0.00E+00
INHALATIO	NA	NA	0.00E+00	0.00E+00	0.00E+00

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 2/3/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Ollie.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
   LOCATION STCK5        POINT      371911.078  3754405.392       30.810
** DESCRSRC Generator 1 (3512C)
   LOCATION STCK6        POINT      371920.501  3754360.065       30.830
** DESCRSRC Generator 2 (3512C)
   LOCATION STCK7        POINT      371906.503  3754367.603       31.020
** DESCRSRC Generator 2 (3516C)
   LOCATION STCK8        POINT      371925.885  3754411.213       30.740
** DESCRSRC Generator 3 (3516C)
   LOCATION STCK9        POINT      371916.194  3754377.832       30.910
** DESCRSRC Generator 4 (3516C)
   LOCATION STCK10       POINT      371886.044  3754417.136       31.060
** DESCRSRC Generator 5 (3516C)
   LOCATION STCK11       POINT      371917.271  3754415.520       30.760
```

```
** DESCRSRC Generator 6 (3516C)
   LOCATION STCK12       POINT      371924.270  3754349.297       30.760
** DESCRSRC Generator 7 (3516C)
   LOCATION STCK13       POINT      371901.657  3754390.754       31.010
** DESCRSRC Generator 8 (3516C)
   LOCATION STCK14       POINT      371888.197  3754402.060       31.080
** DESCRSRC Generator 9 (3516C)
   LOCATION STCK15       POINT      371913.502  3754348.758       30.920
** DESCRSRC Generator 10 (3516C)
   LOCATION STCK16       POINT      371917.809  3754393.446       30.840
** DESCRSRC Generator 11 (3516C)
   LOCATION STCK17       POINT      371925.347  3754384.831       30.810
** DESCRSRC Generator 12 (3516C)
   LOCATION STCK18       POINT      371925.347  3754371.371       30.790
** DESCRSRC Generator 1 (C-15)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK5         0.000144     5.000   763.850 224.39084     0.229

   SRCPARAM STCK6         0.000144     5.000   763.850 224.39084     0.229

   SRCPARAM STCK7         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK8         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK9         0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK10        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK11        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK12        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK13        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK14        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK15        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK16        0.000288     5.000   763.850  31.62397     0.229

   SRCPARAM STCK17        0.000288     5.000   763.850 224.39084     0.229

   SRCPARAM STCK18        0.000122     5.000   763.850 224.39084     0.229

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
```

```
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Ollie.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST Ollie.AD\01H1GALL.PLT 31
   PLOTFILE 8 ALL 1ST Ollie.AD\08H1GALL.PLT 32
   PLOTFILE 24 ALL 1ST Ollie.AD\24H1GALL.PLT 33
   PLOTFILE PERIOD ALL Ollie.AD\PE00GALL.PLT 34
   SUMMFILE Ollie.sum
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
```

**

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 2/3/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Ollie.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
   LOCATION STCK5        POINT      371911.078  3754405.392       30.810
** DESCRSRC Generator 1 (3512C)
   LOCATION STCK6        POINT      371920.501  3754360.065       30.830
** DESCRSRC Generator 2 (3512C)
   LOCATION STCK7        POINT      371906.503  3754367.603       31.020
** DESCRSRC Generator 2 (3516C)
   LOCATION STCK8        POINT      371925.885  3754411.213       30.740
** DESCRSRC Generator 3 (3516C)
   LOCATION STCK9        POINT      371916.194  3754377.832       30.910
** DESCRSRC Generator 4 (3516C)
   LOCATION STCK10       POINT      371886.044  3754417.136       31.060
** DESCRSRC Generator 5 (3516C)
   LOCATION STCK11       POINT      371917.271  3754415.520       30.760
```

```
** DESCRSRC Generator 6 (3516C)
   LOCATION STCK12       POINT      371924.270  3754349.297       30.760
** DESCRSRC Generator 7 (3516C)
   LOCATION STCK13       POINT      371901.657  3754390.754       31.010
** DESCRSRC Generator 8 (3516C)
   LOCATION STCK14       POINT      371888.197  3754402.060       31.080
** DESCRSRC Generator 9 (3516C)
   LOCATION STCK15       POINT      371913.502  3754348.758       30.920
** DESCRSRC Generator 10 (3516C)
   LOCATION STCK16       POINT      371917.809  3754393.446       30.840
** DESCRSRC Generator 11 (3516C)
   LOCATION STCK17       POINT      371925.347  3754384.831       30.810
** DESCRSRC Generator 12 (3516C)
   LOCATION STCK18       POINT      371925.347  3754371.371       30.790
** DESCRSRC Generator 1 (C-15)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK5         0.000144     5.000   763.850 224.39084     0.229
   SRCPARAM STCK6         0.000144     5.000   763.850 224.39084     0.229
   SRCPARAM STCK7         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK8         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK9         0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK10        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK11        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK12        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK13        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK14        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK15        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK16        0.000288     5.000   763.850  31.62397     0.229
   SRCPARAM STCK17        0.000288     5.000   763.850 224.39084     0.229
   SRCPARAM STCK18        0.000122     5.000   763.850 224.39084     0.229
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED Ollie.rou
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
```

```
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
************************************
** AERMOD Output Pathway
************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST Ollie.AD\01H1GALL.PLT 31
   PLOTFILE 8 ALL 1ST Ollie.AD\08H1GALL.PLT 32
   PLOTFILE 24 ALL 1ST Ollie.AD\24H1GALL.PLT 33
   PLOTFILE PERIOD ALL Ollie.AD\PE00GALL.PLT 34
   SUMMFILE Ollie.sum
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of           16 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320      67        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      68        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      69        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      70        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      71        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
```

```
 SO W320      72        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      73        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      74        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      75        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      76        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      77        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      78        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      80        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 SO W320      81        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 ME W186     106       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     106       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                             ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                             ***       15:46:41

                                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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    15 Source(s),
   for Total of    1 Urban Area(s):
```

```
   Urban Population =  10040000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
     and Calculates PERIOD Averages

 **This Run Includes:     15 Source(s);       1 Source Group(s); and      44
Receptor(s)

                with:     15 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

Hours
                                                                    b for Both Calm
and Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   3.5 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Ollie.err

 **File for Summary of Results: Ollie.sum

 *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***   02/03/22
 *** AERMET - VERSION 16216 ***   ***
                          ***   15:46:41

                                    PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** POINT SOURCE DATA ***

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

 STCK1   0   0.28800E-03 371900.7 3754412.6   30.9   5.00   763.85
224.39   0.23   NO   YES   NO
 STCK5   0   0.14400E-03 371911.1 3754405.4   30.8   5.00   763.85
224.39   0.23   NO   YES   NO
 STCK6   0   0.14400E-03 371920.5 3754360.1   30.8   5.00   763.85
224.39   0.23   NO   YES   NO
 STCK7   0   0.28800E-03 371906.5 3754367.6   31.0   5.00   763.85
224.39   0.23   NO   YES   NO
 STCK8   0   0.28800E-03 371925.9 3754411.2   30.7   5.00   763.85

```
224.39     0.23    NO      YES   NO
 STCK9           0   0.28800E-03  371916.2 3754377.8    30.9     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK10          0   0.28800E-03  371886.0 3754417.1    31.1     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK11          0   0.28800E-03  371917.3 3754415.5    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK12          0   0.28800E-03  371924.3 3754349.3    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK13          0   0.28800E-03  371901.7 3754390.8    31.0     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK14          0   0.28800E-03  371888.2 3754402.1    31.1     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK15          0   0.28800E-03  371913.5 3754348.8    30.9     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK16          0   0.28800E-03  371917.8 3754393.4    30.8     5.00   763.85
31.62     0.23    NO      YES   NO
 STCK17          0   0.28800E-03  371925.3 3754384.8    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 STCK18          0   0.12200E-03  371925.3 3754371.4    30.8     5.00   763.85
224.39     0.23    NO      YES   NO
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:46:41

                                    PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  ALL        STCK1       , STCK5       , STCK6       , STCK7       , STCK8       ,
STCK9       , STCK10      , STCK11      ,

             STCK12      , STCK13      , STCK14      , STCK15      , STCK16      ,
STCK17      , STCK18      ,
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:46:41

                                    PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

URBAN ID	URBAN POP	SOURCE IDs
	10040000.	STCK1 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 ,
		STCK12 , STCK13 , STCK14 , STCK15 , STCK16 , STCK17 , STCK18 ,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

371990.6, 372020.6, 372050.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3754134.3, 3754164.3, 3754194.3,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

```
    (METERS) |     371990.59    372020.59    372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3754194.30 |         30.30        30.10        30.10
  3754164.30 |         30.40        30.20        30.30
  3754134.30 |         30.50        30.10        30.30
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                           ***      15:46:41

                                    PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                                * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     371990.59    372020.59    372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3754194.30 |         30.30        30.10        30.10
  3754164.30 |         30.40        30.20        30.30
  3754134.30 |         30.50        30.10        30.30
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                           ***      15:46:41

                                    PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                  *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                         *** X-COORDINATES OF GRID ***
                                                  (METERS)

       371767.6,  371797.6,  371827.6,  371857.6,  371887.6,  371917.6,  371947.6,

                                         *** Y-COORDINATES OF GRID ***
                                                  (METERS)

      3754568.8, 3754598.8, 3754628.8, 3754658.8, 3754688.8,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	371767.65	371797.65	371827.65	371857.65	371887.65	371917.65	371947.65		
3754688.79	31.20	31.50	31.50	31.40	31.30	31.10	30.90		
3754658.79	31.20	31.40	31.30	31.40	31.20	31.10	31.00		
3754628.79	31.10	31.30	31.20	31.40	31.10	31.00	31.00		
3754598.79	31.00	31.20	31.10	31.20	30.90	30.80	30.90		
3754568.79	31.00	31.00	31.00	31.00	30.80	30.80	30.60		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	371767.65	371797.65	371827.65	371857.65	371887.65	371917.65	371947.65		
3754688.79	31.20	31.50	31.50	31.40	31.30	31.10	30.90		

```
  3754658.79 |         31.20        31.40        31.30        31.40        31.20
    31.10        31.00
  3754628.79 |         31.10        31.30        31.20        31.40        31.10
    31.00        31.00
  3754598.79 |         31.00        31.20        31.10        31.20        30.90
    30.80        30.90
  3754568.79 |         31.00        31.00        31.00        31.00        30.80
    30.80        30.60
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:46:41

                                   PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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



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

                                                 1.54,   3.09,   5.14,   8.23,
10.80,
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
Met Version: 16216
Profile file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23174 Upper air station no.: 3190
Name: LOS_ANGELES/INT'L_ARPT 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	-5.9	0.105	-9.000	-9.000	-999.	82.	17.6	0.10	2.55	1.00	1.35	246.	10.1	282.5	2.0
12	01	01	1	02	-21.8	0.218	-9.000	-9.000	-999.	244.	52.3	0.10	2.55	1.00	2.67	268.	10.1	282.0	2.0
12	01	01	1	03	-10.3	0.139	-9.000	-9.000	-999.	127.	23.6	0.10	2.55	1.00	1.76	311.	10.1	281.4	2.0
12	01	01	1	04	-3.3	0.080	-9.000	-9.000	-999.	55.	14.1	0.10	2.55	1.00	0.97	280.	10.1	282.0	2.0
12	01	01	1	05	-10.9	0.144	-9.000	-9.000	-999.	131.	24.4	0.10	2.55	1.00	1.81	267.	10.1	281.4	2.0
12	01	01	1	06	-20.5	0.205	-9.000	-9.000	-999.	223.	46.3	0.10	2.55	1.00	2.52	283.	10.1	282.5	2.0
12	01	01	1	07	-5.5	0.101	-9.000	-9.000	-999.	83.	16.9	0.10	2.55	1.00	1.30	324.	10.1	281.4	2.0
12	01	01	1	08	-4.3	0.096	-9.000	-9.000	-999.	71.	18.6	0.10	2.55	0.55	1.23	90.	10.1	282.5	2.0
12	01	01	1	09	45.7	0.183	0.378	0.007	43.	188.	-12.2	0.10	2.55	0.32	1.67	106.	10.1	289.2	2.0
12	01	01	1	10	117.3	0.180	0.751	0.007	131.	184.	-4.5	0.10	2.55	0.24	1.42	105.	10.1	293.8	2.0
12	01	01	1	11	168.5	0.173	1.222	0.005	391.	173.	-2.8	0.10	2.55	0.21	1.25	27.	10.1	297.5	2.0
12	01	01	1	12	186.3	0.227	1.521	0.005	680.	260.	-5.7	0.10	2.55	0.20	1.86	63.	10.1	299.2	2.0

```
 12 01 01   1 13  190.2  0.253  1.817  0.005 1136.  306.     -7.7  0.10   2.55
0.20    2.16  300.   10.1  296.4    2.0
 12 01 01   1 14  160.2  0.448  1.842  0.005 1405.  720.    -50.6  0.10   2.55
0.21    4.68  276.   10.1  291.4    2.0
 12 01 01   1 15  108.6  0.466  1.661  0.005 1520.  764.    -83.9  0.10   2.55
0.24    5.02  270.   10.1  289.9    2.0
 12 01 01   1 16   37.3  0.455  1.167  0.005 1543.  737.   -228.8  0.10   2.55
0.33    5.10  270.   10.1  288.1    2.0
 12 01 01   1 17  -31.4  0.381 -9.000 -9.000 -999.  569.    159.8  0.10   2.55
0.59    4.54  268.   10.1  287.5    2.0
 12 01 01   1 18  -36.0  0.365 -9.000 -9.000 -999.  529.    146.4  0.10   2.55
1.00    4.37  274.   10.1  286.4    2.0
 12 01 01   1 19  -29.6  0.301 -9.000 -9.000 -999.  398.     99.5  0.10   2.55
1.00    3.63  271.   10.1  286.4    2.0
 12 01 01   1 20  -21.0  0.213 -9.000 -9.000 -999.  239.     49.9  0.10   2.55
1.00    2.61  271.   10.1  286.4    2.0
 12 01 01   1 21  -10.3  0.140 -9.000 -9.000 -999.  128.     24.0  0.10   2.55
1.00    1.77  281.   10.1  286.4    2.0
 12 01 01   1 22  -22.9  0.230 -9.000 -9.000 -999.  265.     58.3  0.10   2.55
1.00    2.81  270.   10.1  285.9    2.0
 12 01 01   1 23  -37.0  0.374 -9.000 -9.000 -999.  550.    154.2  0.10   2.55
1.00    4.48  272.   10.1  285.9    2.0
 12 01 01   1 24  -24.0  0.243 -9.000 -9.000 -999.  299.     65.0  0.10   2.55
1.00    2.96  274.   10.1  285.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  246.    1.35   282.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:46:41

                                    PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                 STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                 STCK17      , STCK18      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
```

```
                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     371990.59    372020.59    372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3754194.30 |       0.00125      0.00118      0.00110
  3754164.30 |       0.00111      0.00108      0.00102
  3754134.30 |       0.00100      0.00098      0.00094
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:46:41

                                    PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                 STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                 STCK17      , STCK18      ,

                                  *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     371767.65    371797.65    371827.65    371857.65    371887.65
371917.65    371947.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3754688.79 |       0.00095      0.00093      0.00090      0.00088      0.00086
  0.00085      0.00084
  3754658.79 |       0.00107      0.00105      0.00103      0.00099      0.00097
  0.00095      0.00094
  3754628.79 |       0.00122      0.00121      0.00118      0.00114      0.00110
  0.00108      0.00107
  3754598.79 |       0.00140      0.00140      0.00138      0.00133      0.00128
  0.00124      0.00123
  3754568.79 |       0.00162      0.00164      0.00163      0.00157      0.00150
  0.00145      0.00142
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
```

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   , STCK5
 , STCK6   , STCK7   , STCK8   ,
                 STCK9   , STCK10   , STCK11   , STCK12   , STCK13
 , STCK14   , STCK15   , STCK16   ,
                 STCK17   , STCK18   ,

                                   *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371990.59   372020.59   372050.59
 -
- -

 3754194.3 | 0.14524 (15111617)   0.13521 (16032223)   0.12248
(16032222)
 3754164.3 | 0.12640 (15111620)   0.12022 (15102923)   0.11211
(16032223)
 3754134.3 | 0.11299 (15111622)   0.10718 (15102923)   0.10131
(16032223)

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   , STCK5
 , STCK6   , STCK7   , STCK8   ,
                 STCK9   , STCK10   , STCK11   , STCK12   , STCK13
 , STCK14   , STCK15   , STCK16   ,
                 STCK17   , STCK18   ,

                                   *** NETWORK ID: UCART3   ; NETWORK TYPE:
GRIDCART ***

 3754688.8 | 0.08105 (14022807)   0.06916 (14022807)   0.04971
(14022807)   0.03966 (12111714)   0.05240 (16121603)
 3754658.8 | 0.09341 (14022807)   0.08414 (14022807)   0.06292
(14022807)   0.04392 (12111714)   0.05168 (16121603)
 3754628.8 | 0.10421 (14022807)   0.10086 (14022807)   0.07957
(14022807)   0.04777 (14022807)   0.04843 (16121603)
 3754598.8 | 0.10974 (14022807)   0.11712 (14022807)   0.09980
(14022807)   0.06247 (14022807)   0.05326 (14022808)
 3754568.8 | 0.10958 (14121203)   0.12736 (14022807)   0.12143
(14022807)   0.08135 (14022807)   0.05929 (12020713)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   , STCK5
 , STCK6   , STCK7   , STCK8   ,
                 STCK9   , STCK10   , STCK11   , STCK12   , STCK13
 , STCK14   , STCK15   , STCK16   ,
                 STCK17   , STCK18   ,

                                   *** NETWORK ID: UCART3   ; NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371917.65   371947.65
 -
- -

 3754688.8 | 0.06228 (14022819)   0.07405 (14022819)
 3754658.8 | 0.06516 (14022819)   0.07782 (14022819)
 3754628.8 | 0.06711 (14022819)   0.08030 (14022819)

```
 3754598.8 |      0.06635 (14022819)      0.08009 (14022819)
 3754568.8 |      0.06191 (14022819)      0.07715 (15100404)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                          ***        15:46:41

                                     PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                 STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                 STCK17      , STCK18      ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       371990.59              372020.59              372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754194.3 |      0.08230 (15111624)      0.07876 (15102924)      0.07246
(15102924)
 3754164.3 |      0.07564 (15111624)      0.07162 (15102924)      0.07287
(15102924)
 3754134.3 |      0.06778 (15111624)      0.06377 (15111624)      0.06818
(15102924)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                          ***        15:46:41

                                     PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                 STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                 STCK17      , STCK18      ,
```

Y-COORD (METERS)	X-COORD (METERS)				
	371767.65	371797.65	371827.65	371857.65	371887.65
3754688.8	0.02909 (16122324)	0.02579 (13050516)	0.02128 (13050516)	0.01514 (13050516)	0.01260 (16031116)
3754658.8	0.03255 (16122324)	0.02996 (13050516)	0.02558 (13050516)	0.01832 (13050516)	0.01421 (16031116)
3754628.8	0.03554 (16122324)	0.03404 (13050516)	0.03047 (13050516)	0.02217 (13050516)	0.01598 (16031116)
3754598.8	0.03723 (16122324)	0.03705 (13050516)	0.03563 (13050516)	0.02686 (13050516)	0.01786 (16031116)
3754568.8	0.03649 (16122324)	0.03754 (13050416)	0.04021 (13050516)	0.03234 (13050516)	0.01966 (16031116)

Y-COORD (METERS)	X-COORD (METERS)	
	371917.65	371947.65

```
 3754688.8 |      0.01982 (14022824)      0.02910 (14022824)
 3754658.8 |      0.02088 (14022824)      0.03173 (14022824)
 3754628.8 |      0.02170 (14022824)      0.03432 (14022824)
 3754598.8 |      0.02250 (16013116)      0.03637 (14022824)
 3754568.8 |      0.02617 (16013116)      0.03688 (14022824)
```



```
                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                 STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                 STCK17      , STCK18      ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       371990.59              372020.59              372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754194.3 |      0.04279 (15111624)      0.03762 (15111624)      0.03180
(15121224)
 3754164.3 |      0.03859 (15111624)      0.03680 (15111624)      0.03276
(15121224)
 3754134.3 |      0.03403 (15111624)      0.03403 (15111624)      0.03157
(15102924)
```



```
                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
```

```
                STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                STCK17      , STCK18      ,

                                    *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       371767.65              371797.65              371827.65
       371857.65              371887.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.01768 (13050524)      0.01762 (13050524)      0.01573
(13050524)      0.01220 (13050524)      0.00882 (14022824)
 3754658.8 |      0.01863 (13050524)      0.01950 (13050524)      0.01813
(13050524)      0.01434 (13050524)      0.00959 (14022824)
 3754628.8 |      0.01897 (13050524)      0.02111 (13050524)      0.02065
(13050524)      0.01686 (13050524)      0.01094 (13050524)
 3754598.8 |      0.01974 (16122324)      0.02198 (13050524)      0.02304
(13050524)      0.01973 (13050524)      0.01285 (13050524)
 3754568.8 |      0.01972 (16122324)      0.02154 (13050524)      0.02475
(13050524)      0.02280 (13050524)      0.01513 (13050524)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:46:41

                                    PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       , STCK5
 , STCK6       , STCK7       , STCK8       ,
                STCK9       , STCK10      , STCK11      , STCK12      , STCK13
 , STCK14      , STCK15      , STCK16      ,
                STCK17      , STCK18      ,

                                    *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       371917.65              371947.65
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.01021 (14022824)      0.01285 (14022824)
 3754658.8 |      0.01112 (14022824)      0.01426 (14022824)
 3754628.8 |      0.01202 (14022824)      0.01579 (14022824)
 3754598.8 |      0.01280 (14022824)      0.01727 (14022824)
 3754568.8 |      0.01344 (14022824)      0.01836 (14022824)
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                          ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:46:41

                                   PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **



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

ALL       1ST HIGHEST VALUE IS       0.00164 AT (  371797.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          2ND HIGHEST VALUE IS       0.00163 AT (  371827.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          3RD HIGHEST VALUE IS       0.00162 AT (  371767.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          4TH HIGHEST VALUE IS       0.00157 AT (  371857.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          5TH HIGHEST VALUE IS       0.00150 AT (  371887.65,  3754568.79,
30.80,    30.80,    0.00)  GC  UCART3
          6TH HIGHEST VALUE IS       0.00145 AT (  371917.65,  3754568.79,
30.80,    30.80,    0.00)  GC  UCART3
          7TH HIGHEST VALUE IS       0.00142 AT (  371947.65,  3754568.79,
30.60,    30.60,    0.00)  GC  UCART3
          8TH HIGHEST VALUE IS       0.00140 AT (  371797.65,  3754598.79,
31.20,    31.20,    0.00)  GC  UCART3
          9TH HIGHEST VALUE IS       0.00140 AT (  371767.65,  3754598.79,
31.00,    31.00,    0.00)  GC  UCART3
         10TH HIGHEST VALUE IS       0.00138 AT (  371827.65,  3754598.79,
31.10,    31.10,    0.00)  GC  UCART3
```

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

** CONC OF PM_10   IN MICROGRAMS/M**3
**

GROUP ID	AVERAGE	CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.14524	ON 15111617:	AT (371990.59, 3754194.30, 30.30, 30.30, 0.00)	GC	UCART1

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

** CONC OF PM_10   IN MICROGRAMS/M**3
**

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

ALL      HIGH   1ST HIGH VALUE IS       0.08230  ON 15111624: AT (  371990.59,
3754194.30,    30.30,    30.30,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:46:41

                                     PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
               **

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

ALL      HIGH   1ST HIGH VALUE IS       0.04279  ON 15111624: AT (  371990.59,
3754194.30,    30.30,    30.30,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie.isc
                           ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:46:41
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   16 Warning Message(s)
A Total of   718 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   458 Calm Hours Identified

A Total of   260 Missing Hours Identified (0.59 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   67   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   68   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   69   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   70   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   71   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   72   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   73   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   74   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   75   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   76   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   77   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   78   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
SO W320   80   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS

```
SO W320      81        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
ME W186     106       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187     106       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

*HARP - HRACalc v19044 2/3/2022 4:04:17 PM - Cancer Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_15_Workers_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK
1			9901	DieselExhP	0.00164	1.02E-07	25YrCance	*	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	25YrCance	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVI	PASTURE_(	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/3/2022 4:04:17 PM - Acute Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_15_Workers_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhP	0.14524	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.14524	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-02	0.00E+00	5.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/3/2022 4:04:17 PM - Chronic Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_15_Workers_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR
	1		9901	DieselExhP	0.00164	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2		107028	Acrolein	0	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE
0.00E+00	*	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1ST_DRIVE	2ND_DRIVE	3RD_DRIVE	PASTURE_(	FISH_CONC	WATER_CONC
INHALATIO	NA	NA	0.00E+00	0.00E+00	0.00E+00
INHALATIO	NA	NA	0.00E+00	0.00E+00	0.00E+00

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 1/24/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie Individual Resident\Ollie Individual
Resident.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Ollie Individual Resident.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
```

```
RE STARTING
   INCLUDED "Ollie Individual Resident.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLLIE INDIVIDUAL RESIDENT.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OLLIE INDIVIDUAL RESIDENT.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "OLLIE INDIVIDUAL RESIDENT.AD\24H1GALL.PLT" 33
   PLOTFILE PERIOD ALL "OLLIE INDIVIDUAL RESIDENT.AD\PE00GALL.PLT" 34
   SUMMFILE "Ollie Individual Resident.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 1/24/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie Individual Resident\Ollie Individual
Resident.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Ollie Individual Resident.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
```

```
   INCLUDED "Ollie Individual Resident.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLLIE INDIVIDUAL RESIDENT.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OLLIE INDIVIDUAL RESIDENT.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "OLLIE INDIVIDUAL RESIDENT.AD\24H1GALL.PLT" 33
   PLOTFILE PERIOD ALL "OLLIE INDIVIDUAL RESIDENT.AD\PE00GALL.PLT" 34
   SUMMFILE "Ollie Individual Resident.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320      39        PPARM: Input Parameter May Be Out-of-Range for Parameter
```

```
       VS
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                         ***       22:38:56

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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     1 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =  10040000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.
```

```
 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and     250
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    30.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	BASE X (METERS)	BASE Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.28800E-03	371900.7	3754412.6	30.9	5.00	763.85	224.39	0.23	NO	YES	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	10040000.	STCK1 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

371990.6, 372020.6, 372050.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3754134.3, 3754164.3, 3754194.3,

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R *** 01/24/22
*** AERMET - VERSION 16216 *** ***
*** 22:38:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	371990.59	372020.59	372050.59

*** NETWORK ID: UCART2   ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)			
	371627.60	371657.60	371687.60	371717.60
3754535.26	32.20	32.10	31.40	31.50
3754505.26	32.30	32.40	32.30	32.10
3754475.26	32.30	32.30	32.30	32.20
3754445.26	32.20	31.80	31.80	32.20

*** NETWORK ID: UCART2   ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)			
	371627.60	371657.60	371687.60	371717.60
3754535.26	32.20	32.10	31.40	31.50
3754505.26	32.30	32.40	32.30	32.10
3754475.26	32.30	32.30	32.30	32.20
3754445.26	32.20	31.80	31.80	32.20

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** X-COORDINATES OF GRID ***
(METERS)

371767.6, 371797.6, 371827.6, 371857.6, 371887.6, 371917.6, 371947.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3754568.8, 3754598.8, 3754628.8, 3754658.8, 3754688.8,

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 371767.65	371797.65	371827.65	371857.65	371887.65	371917.65	371947.65
3754688.79	31.20	31.50	31.50	31.40	31.30	31.10	30.90
3754658.79	31.20	31.40	31.30	31.40	31.20	31.10	31.00
3754628.79	31.10	31.30	31.20	31.40	31.10	31.00	31.00
3754598.79	31.00	31.20	31.10	31.20	30.90	30.80	30.90
3754568.79	31.00	31.00	31.00	31.00	30.80	30.80	30.60

GRIDCART ***

                                                * HILL HEIGHT SCALES IN METERS *

    Y-COORD | X-COORD (METERS)
    (METERS) | 371767.65   371797.65   371827.65   371857.65   371887.65
371917.65   371947.65
 -
- -

  3754688.79 | 31.20   31.50   31.50   31.40   31.30
    31.10   30.90
  3754658.79 | 31.20   31.40   31.30   31.40   31.20
    31.10   31.00
  3754628.79 | 31.10   31.30   31.20   31.40   31.10
    31.00   31.00
  3754598.79 | 31.00   31.20   31.10   31.20   30.90
    30.80   30.90
  3754568.79 | 31.00   31.00   31.00   31.00   30.80
    30.80   30.60

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                    *** NETWORK ID: UCART4   ; NETWORK TYPE:
GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                    (METERS)

       372595.6, 372625.6, 372655.6, 372685.6, 372715.6, 372745.6, 372775.6,
372805.6, 372835.6, 372865.6,

                                          *** Y-COORDINATES OF GRID ***
                                                    (METERS)

      3754133.9, 3754163.9, 3754193.9, 3754223.9, 3754253.9, 3754283.9, 3754313.9,
3754343.9, 3754373.9, 3754403.9,
      3754433.9, 3754463.9, 3754493.9, 3754523.9, 3754553.9, 3754583.9, 3754613.9,
3754643.9, 3754673.9,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	372595.60	372625.60	372655.60	372685.60	372715.60	372745.60	372775.60	372805.60	372835.60	
3754673.87	30.20	30.00	29.70	29.60	29.70	29.30	29.30	29.40	29.40	
3754643.87	30.10	30.00	29.80	29.70	29.40	29.30	29.20	29.00	28.90	
3754613.87	30.30	30.50	30.40	30.90	30.30	29.80	29.60	29.80	29.80	
3754583.87	30.30	30.50	30.40	30.60	30.40	29.70	29.50	29.60	30.00	
3754553.87	30.30	30.10	30.00	29.90	29.70	29.50	29.30	29.30	29.30	
3754523.87	30.20	30.10	30.20	30.00	29.90	29.70	29.60	29.60	29.40	
3754493.87	30.30	30.20	30.10	29.90	30.00	29.80	29.60	29.60	29.50	
3754463.87	30.30	30.30	30.30	29.40	29.40	29.30	29.20	29.10	29.00	
3754433.87	30.40	30.20	30.10	29.50	29.90	29.70	29.60	29.50	29.40	
3754403.87	30.40	30.00	29.80	29.40	29.40	29.20	29.10	29.00	29.00	
3754373.87	30.40	30.40	30.20	30.00	29.80	29.70	29.50	29.40	29.20	
3754343.87	30.40	30.50	30.30	30.10	29.90	29.70	29.60	29.50	29.50	
3754313.87	30.40	30.40	30.30	30.10	29.90	29.70	29.70	29.60	29.60	
3754283.87	30.40	30.50	30.30	30.30	30.10	30.00	29.90	29.80	29.90	
3754253.87	30.40	30.20	29.90	29.80	29.70	29.60	29.50	29.40	29.40	
3754223.87	30.30	30.40	30.30	30.10	30.00	29.90	29.70	29.60	29.50	
3754193.87	30.10	30.20	30.10	29.80	29.60	29.50	29.40	29.30	29.30	

```
  3754163.87 |         30.40        30.30        30.20        29.90        29.80
    29.60        29.50        29.40        29.40
  3754133.87 |         30.30        30.50        30.50        30.50        30.50
    30.20        29.80        29.50        29.50
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** NETWORK ID: UCART4   ;  NETWORK TYPE:
GRIDCART ***

                                           * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                           X-COORD (METERS)
    (METERS) |     372865.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3754673.87 |         29.30
  3754643.87 |         28.80
  3754613.87 |         29.90
  3754583.87 |         30.30
  3754553.87 |         29.20
  3754523.87 |         29.30
  3754493.87 |         29.50
  3754463.87 |         28.90
  3754433.87 |         29.30
  3754403.87 |         28.80
  3754373.87 |         29.20
  3754343.87 |         29.30
  3754313.87 |         29.40
  3754283.87 |         29.60
  3754253.87 |         29.20
  3754223.87 |         29.40
  3754193.87 |         29.20
  3754163.87 |         29.20
  3754133.87 |         29.30
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        22:38:56

                                  PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** NETWORK ID: UCART4   ;  NETWORK TYPE:
```

GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	372595.60	372625.60	372655.60	372685.60	372715.60	372745.60
372775.60	372805.60	372835.60				
3754673.87	30.20	30.00	29.70	29.60	29.70	29.30
29.30	29.40	29.40				
3754643.87	30.10	30.00	29.80	29.70	29.40	29.30
29.20	29.00	28.90				
3754613.87	30.30	30.50	30.40	30.90	30.30	29.80
29.60	29.80	29.80				
3754583.87	30.30	30.50	30.40	30.60	30.40	29.70
29.50	29.60	30.00				
3754553.87	30.30	30.10	30.00	29.90	29.70	29.50
29.30	29.30	29.30				
3754523.87	30.20	30.10	30.20	30.00	29.90	29.70
29.60	29.60	29.40				
3754493.87	30.30	30.20	30.10	29.90	30.00	29.80
29.60	29.60	29.50				
3754463.87	30.30	30.30	30.30	29.40	29.40	29.30
29.20	29.10	29.00				
3754433.87	30.40	30.20	30.10	29.50	29.90	29.70
29.60	29.50	29.40				
3754403.87	30.40	30.00	29.80	29.40	29.40	29.20
29.10	29.00	29.00				
3754373.87	30.40	30.40	30.20	30.00	29.80	29.70
29.50	29.40	29.20				
3754343.87	30.40	30.50	30.30	30.10	29.90	29.70
29.60	29.50	29.50				
3754313.87	30.40	30.40	30.30	30.10	29.90	29.70
29.70	29.60	29.60				
3754283.87	30.40	30.50	30.30	30.30	30.10	30.00
29.90	29.80	29.90				
3754253.87	30.40	30.20	29.90	29.80	29.70	29.60
29.50	29.40	29.40				
3754223.87	30.30	30.40	30.30	30.10	30.00	29.90
29.70	29.60	29.50				
3754193.87	30.10	30.20	30.10	29.80	29.60	29.50
29.40	29.30	29.30				
3754163.87	30.40	30.30	30.20	29.90	29.80	29.60
29.50	29.40	29.40				
3754133.87	30.30	30.50	30.50	30.50	30.50	30.20
29.80	29.50	29.50				

```
 *** AERMET - VERSION  16216 ***   ***
                       ***        22:38:56

                                  PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** NETWORK ID: UCART4   ;  NETWORK TYPE:
GRIDCART ***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     372865.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

  3754673.87 |         29.30
  3754643.87 |         28.80
  3754613.87 |         29.90
  3754583.87 |         30.30
  3754553.87 |         29.20
  3754523.87 |         29.30
  3754493.87 |         29.50
  3754463.87 |         28.90
  3754433.87 |         29.30
  3754403.87 |         28.80
  3754373.87 |         29.20
  3754343.87 |         29.30
  3754313.87 |         29.40
  3754283.87 |         29.60
  3754253.87 |         29.20
  3754223.87 |         29.40
  3754193.87 |         29.20
  3754163.87 |         29.20
  3754133.87 |         29.30
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       01/24/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        22:38:56

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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

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,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
Met Version: 16216
Profile file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23174 Upper air station no.: 3190
Name: LOS_ANGELES/INT'L_ARPT 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   -5.9  0.105 -9.000 -9.000 -999.   82.     17.6  0.10   2.55
1.00    1.35  246.   10.1  282.5    2.0
 12 01 01   1 02  -21.8  0.218 -9.000 -9.000 -999.  244.     52.3  0.10   2.55
1.00    2.67  268.   10.1  282.0    2.0
 12 01 01   1 03  -10.3  0.139 -9.000 -9.000 -999.  127.     23.6  0.10   2.55
1.00    1.76  311.   10.1  281.4    2.0
 12 01 01   1 04   -3.3  0.080 -9.000 -9.000 -999.   55.     14.1  0.10   2.55
1.00    0.97  280.   10.1  282.0    2.0
 12 01 01   1 05  -10.9  0.144 -9.000 -9.000 -999.  131.     24.4  0.10   2.55
1.00    1.81  267.   10.1  281.4    2.0
 12 01 01   1 06  -20.5  0.205 -9.000 -9.000 -999.  223.     46.3  0.10   2.55
1.00    2.52  283.   10.1  282.5    2.0
 12 01 01   1 07   -5.5  0.101 -9.000 -9.000 -999.   83.     16.9  0.10   2.55
1.00    1.30  324.   10.1  281.4    2.0
 12 01 01   1 08   -4.3  0.096 -9.000 -9.000 -999.   71.     18.6  0.10   2.55
0.55    1.23   90.   10.1  282.5    2.0
 12 01 01   1 09   45.7  0.183  0.378  0.007   43.  188.    -12.2  0.10   2.55
0.32    1.67  106.   10.1  289.2    2.0
 12 01 01   1 10  117.3  0.180  0.751  0.007  131.  184.     -4.5  0.10   2.55
0.24    1.42  105.   10.1  293.8    2.0
 12 01 01   1 11  168.5  0.173  1.222  0.005  391.  173.     -2.8  0.10   2.55
0.21    1.25   27.   10.1  297.5    2.0
 12 01 01   1 12  186.3  0.227  1.521  0.005  680.  260.     -5.7  0.10   2.55
0.20    1.86   63.   10.1  299.2    2.0
 12 01 01   1 13  190.2  0.253  1.817  0.005 1136.  306.     -7.7  0.10   2.55
0.20    2.16  300.   10.1  296.4    2.0
 12 01 01   1 14  160.2  0.448  1.842  0.005 1405.  720.    -50.6  0.10   2.55
0.21    4.68  276.   10.1  291.4    2.0
 12 01 01   1 15  108.6  0.466  1.661  0.005 1520.  764.    -83.9  0.10   2.55
0.24    5.02  270.   10.1  289.9    2.0
 12 01 01   1 16   37.3  0.455  1.167  0.005 1543.  737.   -228.8  0.10   2.55
0.33    5.10  270.   10.1  288.1    2.0
 12 01 01   1 17  -31.4  0.381 -9.000 -9.000 -999.  569.    159.8  0.10   2.55
0.59    4.54  268.   10.1  287.5    2.0
 12 01 01   1 18  -36.0  0.365 -9.000 -9.000 -999.  529.    146.4  0.10   2.55
1.00    4.37  274.   10.1  286.4    2.0
 12 01 01   1 19  -29.6  0.301 -9.000 -9.000 -999.  398.     99.5  0.10   2.55
1.00    3.63  271.   10.1  286.4    2.0
 12 01 01   1 20  -21.0  0.213 -9.000 -9.000 -999.  239.     49.9  0.10   2.55
1.00    2.61  271.   10.1  286.4    2.0
 12 01 01   1 21  -10.3  0.140 -9.000 -9.000 -999.  128.     24.0  0.10   2.55
1.00    1.77  281.   10.1  286.4    2.0
 12 01 01   1 22  -22.9  0.230 -9.000 -9.000 -999.  265.     58.3  0.10   2.55
1.00    2.81  270.   10.1  285.9    2.0
 12 01 01   1 23  -37.0  0.374 -9.000 -9.000 -999.  550.    154.2  0.10   2.55
1.00    4.48  272.   10.1  285.9    2.0
 12 01 01   1 24  -24.0  0.243 -9.000 -9.000 -999.  299.     65.0  0.10   2.55
```

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1.00    2.96  274.   10.1  285.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  246.    1.35   282.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        22:38:56

                                   PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     371990.59    372020.59    372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3754194.30 |       0.00007      0.00006      0.00006
  3754164.30 |       0.00006      0.00006      0.00005
  3754134.30 |       0.00005      0.00005      0.00005
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        22:38:56

                                   PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                    *** NETWORK ID: UCART2   ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)										
	372595.60	372625.60	372655.60	372685.60	372715.60	372745.60	372775.60	372805.60	372835.60		
3754673.87	0.00020	0.00020	0.00020	0.00019	0.00019	0.00019	0.00018	0.00018	0.00018		
3754643.87	0.00023	0.00022	0.00022	0.00021	0.00021	0.00020	0.00020	0.00019	0.00018		
3754613.87	0.00025	0.00024	0.00023	0.00023	0.00022	0.00021	0.00021	0.00020	0.00019		
3754583.87	0.00027	0.00026	0.00025	0.00024	0.00023	0.00022	0.00021	0.00020	0.00020		
3754553.87	0.00028	0.00027	0.00025	0.00024	0.00023	0.00022	0.00021	0.00020	0.00020		
3754523.87	0.00028	0.00027	0.00026	0.00024	0.00023	0.00022	0.00021	0.00020	0.00019		
3754493.87	0.00028	0.00026	0.00025	0.00024	0.00023	0.00022	0.00021	0.00020	0.00019		
3754463.87	0.00027	0.00025	0.00024	0.00022	0.00021	0.00020	0.00019	0.00019	0.00018		
3754433.87	0.00025	0.00023	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017	0.00017		
3754403.87	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017	0.00016	0.00016	0.00015		
3754373.87	0.00019	0.00018	0.00017	0.00017	0.00016	0.00015	0.00015	0.00014	0.00014		
3754343.87	0.00016	0.00016	0.00015	0.00014	0.00014	0.00013	0.00013	0.00013	0.00012		
3754313.87	0.00013	0.00013	0.00013	0.00012	0.00012	0.00011	0.00011	0.00011	0.00011		
3754283.87	0.00011	0.00011	0.00010	0.00010	0.00010	0.00010	0.00010	0.00009	0.00009		
3754253.87	0.00009	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008		
3754223.87	0.00007	0.00007	0.00007	0.00007	0.00007						

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   STCK1   ,

                                    *** NETWORK ID: UCART4   ; NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

    Y-COORD | X-COORD (METERS)
    (METERS) | 372865.60
 -
- -

  3754673.87 | 0.00017
  3754643.87 | 0.00018
  3754613.87 | 0.00019
  3754583.87 | 0.00019
  3754553.87 | 0.00019
  3754523.87 | 0.00019
  3754493.87 | 0.00018
  3754463.87 | 0.00017
  3754433.87 | 0.00016
  3754403.87 | 0.00015
  3754373.87 | 0.00013
  3754343.87 | 0.00012
  3754313.87 | 0.00010
  3754283.87 | 0.00009
  3754253.87 | 0.00008
  3754223.87 | 0.00007
  3754193.87 | 0.00006
  3754163.87 | 0.00005
  3754133.87 | 0.00004

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                        *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                           INCLUDING SOURCE(S): STCK1 ,

                            *** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

                                 ** CONC OF PM_10 IN MICROGRAMS/M**3
                **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371990.59   372020.59   372050.59
 -
- -

 3754194.3 | 0.00955 (15111620) 0.00896 (16032223) 0.00808
(15102922)
 3754164.3 | 0.00837 (15111620) 0.00804 (15102923) 0.00754
(16032223)
 3754134.3 | 0.00753 (15111622) 0.00715 (15102923) 0.00673
(16032223)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                        *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                           INCLUDING SOURCE(S): STCK1 ,

                            *** NETWORK ID: UCART2 ; NETWORK TYPE:
GRIDCART ***

                                 ** CONC OF PM_10 IN MICROGRAMS/M**3
                **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371627.60   371657.60   371687.60
     371717.60
 -

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

 3754535.3 |      0.00571 (14121202)      0.00718 (14121202)      0.00875
(14121202)      0.01009 (14121202)
 3754505.3 |      0.00540 (14022802)      0.00528 (14121202)      0.00706
(14121202)      0.00922 (14121202)
 3754475.3 |      0.00697 (14022802)      0.00718 (14022802)      0.00706
(14022802)      0.00641 (14022802)
 3754445.3 |      0.00736 (14120218)      0.00796 (14120218)      0.00842
(14022802)      0.00852 (14022802)
1 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        22:38:56

                                   PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       371767.65              371797.65              371827.65
       371857.65              371887.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.00656 (14022807)      0.00542 (14022807)      0.00362
(14022807)      0.00294 (14022808)      0.00365 (16121603)
 3754658.8 |      0.00757 (14022807)      0.00669 (14022807)      0.00467
(14022807)      0.00330 (12031708)      0.00349 (12032514)
 3754628.8 |      0.00838 (14022807)      0.00809 (14022807)      0.00599
(14022807)      0.00375 (12031708)      0.00384 (12031709)
 3754598.8 |      0.00856 (14022807)      0.00935 (14022807)      0.00760
(14022807)      0.00421 (12020713)      0.00428 (14013012)
 3754568.8 |      0.01023 (14121203)      0.00983 (14022807)      0.00924
(14022807)      0.00514 (14022807)      0.00472 (14013012)
1 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        22:38:56

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Y-COORD (METERS)	X-COORD (METERS)	
	371917.65	371947.65
3754688.8	0.00487 (14022819)	0.00549 (14022819)
3754658.8	0.00498 (14022819)	0.00554 (14022819)
3754628.8	0.00494 (14022819)	0.00555 (15100404)
3754598.8	0.00445 (14022819)	0.00623 (15100404)
3754568.8	0.00521 (16013113)	0.00646 (15100404)

Y-COORD (METERS)	X-COORD (METERS)			
	372595.60	372625.60	372655.60	372685.60	372715.60
3754673.9	0.00246 (16111619)	0.00234 (16031321)	0.00223 (16031321)	0.00214 (15062622)	0.00206 (15062622)
3754643.9	0.00249 (16101018)	0.00237 (16031319)	0.00227 (16081419)	0.00218 (16081419)	0.00208 (15101718)

 3754613.9 | 0.00255 (16081419)   0.00244 (16081419)   0.00233
(15101718)   0.00224 (15101718)   0.00213 (15101718)
 3754583.9 | 0.00257 (14072320)   0.00246 (16081819)   0.00236
(15102118)   0.00227 (15102118)   0.00217 (15102118)
 3754553.9 | 0.00261 (16070720)   0.00248 (15102118)   0.00236
(15091522)   0.00225 (16081220)   0.00215 (16081220)
 3754523.9 | 0.00262 (16042019)   0.00250 (16042019)   0.00239
(16042019)   0.00227 (16042019)   0.00217 (16081120)
 3754493.9 | 0.00265 (15082219)   0.00252 (14072220)   0.00240
(14072220)   0.00229 (14072220)   0.00219 (16061920)
 3754463.9 | 0.00267 (15101818)   0.00253 (15100120)   0.00242
(15100120)   0.00228 (15100120)   0.00218 (14091823)
 3754433.9 | 0.00268 (12100919)   0.00254 (12100919)   0.00241
(12100919)   0.00228 (12100919)   0.00219 (14092720)
 3754403.9 | 0.00267 (13051319)   0.00252 (13051319)   0.00240
(13051319)   0.00228 (13051319)   0.00218 (13051319)
 3754373.9 | 0.00267 (12100921)   0.00254 (12100921)   0.00241
(12100921)   0.00229 (14102520)   0.00219 (14102520)
 3754343.9 | 0.00265 (13062521)   0.00253 (13062521)   0.00241
(13062521)   0.00229 (13062521)   0.00219 (13062521)
 3754313.9 | 0.00264 (15111001)   0.00251 (15111001)   0.00239
(12102320)   0.00228 (12102320)   0.00217 (12102320)
 3754283.9 | 0.00261 (15042619)   0.00249 (13102805)   0.00237
(13102805)   0.00226 (13102805)   0.00215 (15052204)
 3754253.9 | 0.00257 (16042722)   0.00245 (16042722)   0.00232
(16042722)   0.00222 (15042619)   0.00212 (13102805)
 3754223.9 | 0.00255 (13102806)   0.00244 (13102806)   0.00232
(13102806)   0.00220 (13102806)   0.00210 (16102817)
 3754193.9 | 0.00248 (12110903)   0.00238 (12110903)   0.00228
(13102806)   0.00218 (13102806)   0.00209 (13102806)
 3754163.9 | 0.00246 (14030919)   0.00235 (15040319)   0.00225
(15110418)   0.00215 (15110418)   0.00206 (13022119)
 3754133.9 | 0.00242 (12110905)   0.00233 (12110905)   0.00224
(15040319)   0.00215 (15040319)   0.00207 (15040319)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                   *** NETWORK ID: UCART4   ; NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3

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                    **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       372745.60               372775.60               372805.60
       372835.60               372865.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754673.9 |      0.00197 (12081419)      0.00190 (12081419)      0.00183
(16101024)      0.00177 (15101718)      0.00170 (15101718)
 3754643.9 |      0.00200 (15101718)      0.00192 (15101718)      0.00184
(15101718)      0.00177 (15101718)      0.00171 (16070320)
 3754613.9 |      0.00203 (15042720)      0.00195 (15102118)      0.00188
(15102118)      0.00181 (16071620)      0.00175 (16071620)
 3754583.9 |      0.00205 (15102118)      0.00196 (15102118)      0.00189
(16081220)      0.00183 (16101620)      0.00177 (16101620)
 3754553.9 |      0.00206 (16081220)      0.00197 (16080419)      0.00189
(14081119)      0.00182 (14081119)      0.00175 (14081119)
 3754523.9 |      0.00207 (16081120)      0.00199 (14081119)      0.00191
(15020819)      0.00183 (15090519)      0.00176 (15090519)
 3754493.9 |      0.00209 (16061920)      0.00200 (14072720)      0.00192
(14072720)      0.00185 (14072720)      0.00178 (14072720)
 3754463.9 |      0.00208 (15091519)      0.00199 (15091519)      0.00191
(13100218)      0.00184 (13100218)      0.00177 (14082819)
 3754433.9 |      0.00209 (14092720)      0.00200 (14082819)      0.00193
(14082819)      0.00185 (14082819)      0.00179 (14082819)
 3754403.9 |      0.00208 (15102018)      0.00200 (15102018)      0.00192
(15102018)      0.00185 (15102018)      0.00177 (15102018)
 3754373.9 |      0.00210 (14102520)      0.00200 (14102520)      0.00192
(14102520)      0.00184 (14102520)      0.00177 (14102520)
 3754343.9 |      0.00209 (13062521)      0.00200 (13062521)      0.00191
(14102520)      0.00184 (14102520)      0.00177 (14102520)
 3754313.9 |      0.00207 (14111518)      0.00199 (14111518)      0.00191
(14111518)      0.00184 (14111518)      0.00176 (14111518)
 3754283.9 |      0.00206 (15052204)      0.00198 (15052204)      0.00190
(14111518)      0.00184 (14111518)      0.00177 (14111518)
 3754253.9 |      0.00204 (13102805)      0.00196 (14013104)      0.00188
(14013104)      0.00181 (14013104)      0.00174 (14013104)
 3754223.9 |      0.00201 (16102817)      0.00192 (13100920)      0.00186
(13100920)      0.00179 (13100920)      0.00173 (13100920)
 3754193.9 |      0.00200 (13102806)      0.00191 (15110717)      0.00184
(15110717)      0.00176 (15110717)      0.00170 (13100920)
 3754163.9 |      0.00198 (14040106)      0.00190 (14040106)      0.00183
(15110717)      0.00177 (15110717)      0.00170 (15110717)
 3754133.9 |      0.00198 (15110418)      0.00190 (15110418)      0.00182
(15110418)      0.00175 (15102019)      0.00169 (15102019)
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        22:38:56
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10   IN MICROGRAMS/M**3   **

Y-COORD (METERS)	X-COORD (METERS)		
	371990.59	372020.59	372050.59
3754194.3	0.00536 (15111624)	0.00521 (15102924)	0.00495 (15102924)
3754164.3	0.00492 (15111624)	0.00472 (15102924)	0.00489 (15102924)
3754134.3	0.00444 (15111624)	0.00420 (15111624)	0.00453 (15102924)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** NETWORK ID: UCART2   ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10   IN MICROGRAMS/M**3   **

Y-COORD (METERS)	X-COORD (METERS)			
	371627.60	371657.60	371687.60	371717.60
3754535.3	0.00173 (16010316)	0.00191 (16010316)	0.00248	

```
(14121208)      0.00317 (14121208)
 3754505.3 |      0.00222 (14022808)      0.00199 (14022808)      0.00219
(16010316)      0.00241 (16010316)
 3754475.3 |      0.00258 (14022808)      0.00251 (14022808)      0.00232
(14022808)      0.00244 (12012316)
 3754445.3 |      0.00249 (14022808)      0.00254 (14022808)      0.00258
(14120316)      0.00294 (14120316)
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       22:38:56

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       371767.65              371797.65              371827.65
      371857.65              371887.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.00207 (13050516)      0.00190 (13050516)      0.00149
(13050516)      0.00097 (13050516)     0.00097 (16031116)
 3754658.8 |      0.00227 (13050516)      0.00220 (13050516)      0.00178
(13050516)      0.00116 (13050516)     0.00109 (16031116)
 3754628.8 |      0.00235 (13050516)      0.00248 (13050516)      0.00209
(13050516)      0.00135 (13050516)     0.00121 (16031116)
 3754598.8 |      0.00248 (13050416)      0.00262 (13050516)      0.00239
(13050516)      0.00157 (13050516)     0.00132 (16031116)
 3754568.8 |      0.00293 (14121208)      0.00283 (13050416)      0.00263
(13050516)      0.00180 (13050516)     0.00141 (16031116)
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       22:38:56

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

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
```

VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                  *** NETWORK ID: UCART3   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371917.65   371947.65
 -
- -

 3754688.8 | 0.00141 (14022824)   0.00216 (14022824)
 3754658.8 | 0.00146 (14022824)   0.00231 (14022824)
 3754628.8 | 0.00170 (16013116)   0.00241 (14022824)
 3754598.8 | 0.00200 (16013116)   0.00236 (14022824)
 3754568.8 | 0.00229 (16013116)   0.00219 (16013116)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                  *** NETWORK ID: UCART4   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

  Y-COORD | X-COORD (METERS)
  (METERS) | 372595.60   372625.60   372655.60
       372685.60   372715.60
 -
- -

 3754673.9 | 0.00206m(16031324)   0.00199m(16031324)
0.00192m(16031324)   0.00185m(16031324)   0.00178m(16031324)
 3754643.9 | 0.00210m(16031324)   0.00202m(16031324)
0.00193m(16031324)   0.00184m(16031324)   0.00175m(16031324)
 3754613.9 | 0.00210m(16031324)   0.00201m(16031324)
0.00191m(16031324)   0.00183m(16031324)   0.00172m(16031324)
 3754583.9 | 0.00202 (15121024)   0.00193 (15121024)   0.00184

(15121024)   0.00175 (15121024)   0.00167 (15121024)
 3754553.9 | 0.00206 (15121024)   0.00194 (15121024)   0.00184
(15121024)   0.00174 (15121024)   0.00164 (15121024)
 3754523.9 | 0.00204 (15121024)   0.00191 (15121024)   0.00181
(15121024)   0.00171 (15091524)   0.00165 (15091524)
 3754493.9 | 0.00196 (15121024)   0.00184 (15121024)   0.00175
(15091524)   0.00168 (15091524)   0.00163 (15091524)
 3754463.9 | 0.00199 (15052208)   0.00189 (15052208)   0.00180
(15052208)   0.00169 (15052208)   0.00161 (15052208)
 3754433.9 | 0.00200 (15052208)   0.00189 (15052208)   0.00179
(15052208)   0.00169 (15052208)   0.00162 (15052208)
 3754403.9 | 0.00194 (15052208)   0.00183 (15052208)   0.00174
(12100924)   0.00166 (12100924)   0.00160 (12100924)
 3754373.9 | 0.00195 (16030624)   0.00185 (16030624)   0.00175
(16030624)   0.00167 (16030624)   0.00158 (16030624)
 3754343.9 | 0.00192 (16030624)   0.00183 (16030624)   0.00174
(16030624)   0.00166 (16030624)   0.00158 (16030624)
 3754313.9 | 0.00184 (12121524)   0.00177 (12121524)   0.00170
(12121524)   0.00163 (12121524)   0.00156 (12121524)
 3754283.9 | 0.00180 (12121524)   0.00175 (12121524)   0.00168
(12121524)   0.00162 (12121524)   0.00157 (12121524)
 3754253.9 | 0.00171 (12121524)   0.00166 (12121524)   0.00160
(12121524)   0.00156 (12121524)   0.00151 (12121524)
 3754223.9 | 0.00158 (12110908)   0.00154 (12121524)   0.00151
(12121524)   0.00147 (12121524)   0.00144 (12121524)
 3754193.9 | 0.00146 (12110908)   0.00142 (12110908)   0.00137
(12110908)   0.00134 (12121524)   0.00132 (12121524)
 3754163.9 | 0.00134 (12110908)   0.00131 (12110908)   0.00128
(12110908)   0.00124 (12110908)   0.00120 (12121524)
 3754133.9 | 0.00120 (12110908)   0.00119 (12110908)   0.00117
(12110908)   0.00115 (12110908)   0.00112 (12110908)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   STCK1   ,

                                    *** NETWORK ID: UCART4   ; NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

  Y-COORD | X-COORD (METERS)

```
  (METERS) |       372745.60               372775.60               372805.60
       372835.60               372865.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3754673.9 |      0.00170m(16031324)      0.00164m(16031324)
0.00157m(16031324)      0.00151m(16031324)      0.00145m(16031324)
 3754643.9 |      0.00167m(16031324)      0.00160m(16031324)
0.00152m(16031324)      0.00145m(16031324)      0.00138m(16031324)
 3754613.9 |      0.00162m(16031324)      0.00154m(16031324)
0.00147m(16031324)      0.00140m(16031324)      0.00135 (15091524)
 3754583.9 |      0.00157 (15121024)      0.00150 (15121024)      0.00146
(15091524)      0.00143 (15091524)      0.00141 (15091524)
 3754553.9 |      0.00158 (15091524)      0.00153 (15091524)      0.00148
(15091524)      0.00144 (15091524)      0.00140 (15091524)
 3754523.9 |      0.00159 (15091524)      0.00154 (15091524)      0.00149
(15091524)      0.00144 (15091524)      0.00139 (15091524)
 3754493.9 |      0.00157 (15091524)      0.00151 (15091524)      0.00146
(15091524)      0.00140 (15091524)      0.00136 (15091524)
 3754463.9 |      0.00153 (15052208)      0.00146 (15052208)      0.00140
(15052208)      0.00135 (12100924)      0.00131 (12100924)
 3754433.9 |      0.00155 (12100924)      0.00150 (12100924)      0.00145
(12100924)      0.00140 (12100924)      0.00135 (12100924)
 3754403.9 |      0.00154 (12100924)      0.00149 (12100924)      0.00144
(12100924)      0.00139 (12100924)      0.00134 (12100924)
 3754373.9 |      0.00152 (12100924)      0.00147 (12100924)      0.00142
(12100924)      0.00137 (12100924)      0.00132 (12100924)
 3754343.9 |      0.00151 (16030624)      0.00144 (16030624)      0.00138
(16030624)      0.00132 (16030624)      0.00127 (12100924)
 3754313.9 |      0.00150 (12121524)      0.00145 (12121524)      0.00140
(12121524)      0.00135 (12121524)      0.00130 (12121524)
 3754283.9 |      0.00151 (12121524)      0.00146 (12121524)      0.00141
(12121524)      0.00137 (12121524)      0.00132 (12121524)
 3754253.9 |      0.00147 (12121524)      0.00142 (12121524)      0.00138
(12121524)      0.00134 (12121524)      0.00130 (12121524)
 3754223.9 |      0.00141 (12121524)      0.00137 (12121524)      0.00133
(12121524)      0.00130 (12121524)      0.00126 (12121524)
 3754193.9 |      0.00130 (12121524)      0.00128 (12121524)      0.00126
(12121524)      0.00123 (12121524)      0.00120 (12121524)
 3754163.9 |      0.00119 (12121524)      0.00118 (12121524)      0.00117
(12121524)      0.00115 (12121524)      0.00113 (12121524)
 3754133.9 |      0.00109 (12110908)      0.00107 (12121524)      0.00106
(12121524)      0.00106 (12121524)      0.00105 (12121524)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                          ***       22:38:56

                                   PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

Y-COORD (METERS)	X-COORD (METERS)		
	371990.59	372020.59	372050.59
3754194.3	0.00270 (15111624)	0.00241 (15111624)	0.00206 (15121224)
3754164.3	0.00243 (15111624)	0.00233 (15111624)	0.00210 (15121224)
3754134.3	0.00216 (15111624)	0.00215 (15111624)	0.00202 (15121224)

Y-COORD (METERS)	X-COORD (METERS)			
	371627.60	371657.60	371687.60	371717.60
3754535.3	0.00080 (14121124)	0.00097 (14121124)	0.00115 (14121124)	0.00130 (14121124)
3754505.3	0.00076 (14022824)	0.00076 (14121124)	0.00095 (14121124)	0.00115 (14121124)

```
 3754475.3 |      0.00088 (14022824)      0.00086 (14022824)      0.00079
(14022824)      0.00087 (16062124)
 3754445.3 |      0.00087 (14120224)      0.00092 (14120224)      0.00096
(14120224)      0.00099 (14120324)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        22:38:56

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       371767.65              371797.65              371827.65
       371857.65              371887.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.00112 (13050524)      0.00113 (13050524)      0.00100
(13050524)      0.00074 (13050524)      0.00058 (14022824)
 3754658.8 |      0.00114 (13050524)      0.00123 (13050524)      0.00114
(13050524)      0.00086 (13050524)      0.00061 (14022824)
 3754628.8 |      0.00118 (16122324)      0.00128 (13050524)      0.00126
(13050524)      0.00098 (13050524)      0.00063 (14022824)
 3754598.8 |      0.00122 (16122324)      0.00125 (13050524)      0.00135
(13050524)      0.00111 (13050524)      0.00063 (14022824)
 3754568.8 |      0.00117 (16122324)      0.00118 (16122324)      0.00136
(13050524)      0.00122 (13050524)      0.00067 (13050524)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        22:38:56

                                  PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,
```

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)	
	371917.65	371947.65
3754688.8	0.00071 (14022824)	0.00096 (14022824)
3754658.8	0.00076 (14022824)	0.00105 (14022824)
3754628.8	0.00079 (14022824)	0.00113 (14022824)
3754598.8	0.00079 (14022824)	0.00118 (14022824)
3754568.8	0.00083 (16013124)	0.00115 (14022824)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	372595.60	372625.60	372655.60	372685.60	372715.60
3754673.9	0.00080m(16031324)	0.00077m(16031324)	0.00075m(16031324)	0.00072m(16031324)	0.00069m(16031324)	
3754643.9	0.00082m(16031324)	0.00078m(16031324)	0.00075m(16031324)	0.00072m(16031324)	0.00068m(16031324)	
3754613.9	0.00082m(15121024)	0.00078m(15121024)	0.00075 (14071724)	0.00074 (14071724)	0.00072 (14071724)	
3754583.9	0.00089c(14040124)	0.00086c(14040124)	0.00082c(14040124)	0.00079c(14040124)	0.00076c(14040124)	
3754553.9	0.00098c(14040124)	0.00093c(14040124)	0.00089c(14040124)	0.00084c(14040124)	0.00081c(14040124)	

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 3754523.9 |      0.00104c(14040124)      0.00099c(14040124)
0.00094c(14040124)      0.00089c(14040124)      0.00084c(14040124)
 3754493.9 |      0.00108c(14040124)      0.00102c(14040124)
0.00096c(14040124)      0.00091c(14040124)      0.00086c(14040124)
 3754463.9 |      0.00112 (14032624)      0.00105 (14032624)      0.00098
(14032624)      0.00092 (14032624)      0.00087 (14032624)
 3754433.9 |      0.00114 (14032624)      0.00106 (14032624)      0.00099
(14032624)      0.00093 (14032624)      0.00088 (14032624)
 3754403.9 |      0.00112 (14032624)      0.00105 (14032624)      0.00098
(14032624)      0.00092 (14032624)      0.00087 (14033024)
 3754373.9 |      0.00109 (12110924)      0.00102 (12110924)      0.00096
(12110924)      0.00091 (14033024)      0.00086 (14033024)
 3754343.9 |      0.00109 (12110924)      0.00103 (12110924)      0.00097
(12110924)      0.00091 (12110924)      0.00086 (12110924)
 3754313.9 |      0.00106 (12110924)      0.00100 (12110924)      0.00095
(12110924)      0.00090 (12110924)      0.00085 (12110924)
 3754283.9 |      0.00101 (12110924)      0.00096 (12110924)      0.00091
(12110924)      0.00087 (12110924)      0.00083 (12110924)
 3754253.9 |      0.00095 (12110924)      0.00090 (12110924)      0.00086
(12110924)      0.00082 (12110924)      0.00079 (12110924)
 3754223.9 |      0.00086 (12110924)      0.00084 (12110924)      0.00080
(12110924)      0.00077 (12110924)      0.00074 (12110924)
 3754193.9 |      0.00078 (12110924)      0.00076 (12110924)      0.00073
(12110924)      0.00071 (12110924)      0.00069 (12110924)
 3754163.9 |      0.00069 (12110924)      0.00068 (12110924)      0.00066
(12110924)      0.00065 (12110924)      0.00063 (12110924)
 3754133.9 |      0.00060 (12110924)      0.00060 (12110924)      0.00059
(12110924)      0.00058 (12110924)      0.00058 (12110924)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       22:38:56

                                  PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART4   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       372745.60               372775.60               372805.60
       372835.60               372865.60
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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 3754673.9 | 0.00066m(16031324)   0.00064m(16031324)
0.00061m(16031324)   0.00059m(16031324)   0.00057 (14071724)
 3754643.9 | 0.00065 (14071724)   0.00064 (14071724)   0.00062
(14071724)   0.00061 (14071724)   0.00060 (14071724)
 3754613.9 | 0.00070 (14071724)   0.00068 (14071724)   0.00066
(14071724)   0.00064 (14071724)   0.00063 (14071724)
 3754583.9 | 0.00073c(14040124)   0.00070c(14040124)   0.00067
(14071724)   0.00065 (14071724)   0.00064 (14071724)
 3754553.9 | 0.00077c(14040124)   0.00073c(14040124)
0.00070c(14040124)   0.00067c(14040124)   0.00064c(14040124)
 3754523.9 | 0.00080c(14040124)   0.00076c(14040124)
0.00073c(14040124)   0.00069c(14040124)   0.00066c(14040124)
 3754493.9 | 0.00082c(14040124)   0.00078c(14040124)
0.00074c(14040124)   0.00070c(14040124)   0.00067c(14040124)
 3754463.9 | 0.00082 (14032624)   0.00078c(14040124)
0.00074c(14040124)   0.00070c(14040124)   0.00067c(14040124)
 3754433.9 | 0.00083 (14032624)   0.00078 (14032624)   0.00074
(14033024)   0.00071 (14033024)   0.00068 (14033024)
 3754403.9 | 0.00083 (14033024)   0.00079 (14033024)   0.00075
(14033024)   0.00072 (14033024)   0.00069 (14033024)
 3754373.9 | 0.00082 (14033024)   0.00078 (14033024)   0.00075
(14033024)   0.00071 (14033024)   0.00068 (14033024)
 3754343.9 | 0.00081 (12110924)   0.00077 (12110924)   0.00073
(12110924)   0.00069 (12110924)   0.00067 (14033024)
 3754313.9 | 0.00080 (12110924)   0.00076 (12110924)   0.00073
(12110924)   0.00069 (12110924)   0.00066 (12110924)
 3754283.9 | 0.00079 (12110924)   0.00075 (12110924)   0.00071
(12110924)   0.00068 (12110924)   0.00065 (12110924)
 3754253.9 | 0.00075 (12110924)   0.00072 (12110924)   0.00069
(12110924)   0.00066 (12110924)   0.00063 (12110924)
 3754223.9 | 0.00071 (12110924)   0.00069 (12110924)   0.00066
(12110924)   0.00063 (12110924)   0.00061 (12110924)
 3754193.9 | 0.00067 (12110924)   0.00064 (12110924)   0.00062
(12110924)   0.00060 (12110924)   0.00058 (12110924)
 3754163.9 | 0.00061 (12110924)   0.00060 (12110924)   0.00058
(12110924)   0.00056 (12110924)   0.00055 (12110924)
 3754133.9 | 0.00056 (12110924)   0.00055 (12110924)   0.00054
(12110924)   0.00052 (12110924)   0.00051 (12110924)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00028	AT (372595.60, 3754523.87, 30.20, 30.20, 0.00)	GC	UCART4
	2ND HIGHEST VALUE IS	0.00028	AT (372595.60, 3754493.87, 30.30, 30.30, 0.00)	GC	UCART4
	3RD HIGHEST VALUE IS	0.00028	AT (372595.60, 3754553.87, 30.30, 30.30, 0.00)	GC	UCART4
	4TH HIGHEST VALUE IS	0.00027	AT (372625.60, 3754523.87, 30.10, 30.10, 0.00)	GC	UCART4
	5TH HIGHEST VALUE IS	0.00027	AT (372595.60, 3754583.87, 30.30, 30.30, 0.00)	GC	UCART4
	6TH HIGHEST VALUE IS	0.00027	AT (372595.60, 3754463.87, 30.30, 30.30, 0.00)	GC	UCART4
	7TH HIGHEST VALUE IS	0.00027	AT (372625.60, 3754553.87, 30.10, 30.10, 0.00)	GC	UCART4
	8TH HIGHEST VALUE IS	0.00026	AT (372625.60, 3754493.87, 30.20, 30.20, 0.00)	GC	UCART4
	9TH HIGHEST VALUE IS	0.00026	AT (372625.60, 3754583.87, 30.50, 30.50, 0.00)	GC	UCART4
	10TH HIGHEST VALUE IS	0.00026	AT (372655.60, 3754523.87, 30.20, 30.20, 0.00)	GC	UCART4

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

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

ALL      HIGH   1ST HIGH VALUE IS       0.01023  ON 14121203: AT (  371767.65,
3754568.79,    31.00,    31.00,    0.00)  GC  UCART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       22:38:56

                                   PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

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

ALL      HIGH   1ST HIGH VALUE IS       0.00536  ON 15111624: AT (  371990.59,
3754194.30,    30.30,    30.30,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        01/24/22
```

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	NETWORK CONC OF TYPE GRID-ID	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)
ALL	HIGH 1ST HIGH VALUE IS	0.00270 ON	15111624:	AT (371990.59, 3754194.30, 30.30, 30.30, 0.00) GC UCART1

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

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

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

A Total of   0 Fatal Error Message(s)
A Total of   3 Warning Message(s)
A Total of   718 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   458 Calm Hours Identified

A Total of   260 Missing Hours Identified (0.59 Percent)

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


   ********   WARNING MESSAGES   ********
SO W320      39        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

*HARP - HRACalc v19044 1/24/2022 10:42:01 PM - Cancer Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_1_Residents_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK
1			9901	DieselExhP	0.00028	2.48E-07	30YrCancel	*	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	30YrCancel	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVI	PASTURE_(	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	INHALATION		0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00			0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/24/2022 10:42:01 PM - Acute Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_1_Residents_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhPM	0.01023	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.01023	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03	0.00E+00	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/24/2022 10:42:01 PM - Chronic Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_1_Residents_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR
	1		9901	DieselExhP	0.00028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2		107028	Acrolein	0	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE
0.00E+00	*	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
INHALATION			0.00E+00	0.00E+00	0.00E+00
INHALATION			0.00E+00	0.00E+00	0.00E+00

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 2/3/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie Individual Worker\Ollie Individual
Worker.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Ollie Individual Worker.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
```

```
RE STARTING
   INCLUDED "Ollie Individual Worker.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLLIE INDIVIDUAL WORKER.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OLLIE INDIVIDUAL WORKER.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "OLLIE INDIVIDUAL WORKER.AD\24H1GALL.PLT" 33
   PLOTFILE PERIOD ALL "OLLIE INDIVIDUAL WORKER.AD\PE00GALL.PLT" 34
   SUMMFILE "Ollie Individual Worker.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.0
** Lakes Environmental Software Inc.
** Date: 2/3/2022
** File: C:\Lakes\AERMOD View\Ollie\Ollie Individual Worker\Ollie Individual
Worker.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 10040000 LA_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Ollie Individual Worker.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      371900.716  3754412.638       30.880
** DESCRSRC Generator 1 (3516C)
** Source Parameters **
   SRCPARAM STCK1         0.000288     5.000   763.850 224.39084     0.229
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
```

```
   INCLUDED "Ollie Individual Worker.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
   PROFFILE LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL
   SURFDATA 23174 2012 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2012
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OLLIE INDIVIDUAL WORKER.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OLLIE INDIVIDUAL WORKER.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "OLLIE INDIVIDUAL WORKER.AD\24H1GALL.PLT" 33
   PLOTFILE PERIOD ALL "OLLIE INDIVIDUAL WORKER.AD\PE00GALL.PLT" 34
   SUMMFILE "Ollie Individual Worker.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320      39        PPARM: Input Parameter May Be Out-of-Range for Parameter
```

```
       VS
 ME W186      64       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187      64       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:36:14

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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     1 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =  10040000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.
```

```
 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and      44
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    30.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	BASE X (METERS)	BASE Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.28800E-03	371900.7	3754412.6	30.9	5.00	763.85	224.39	0.23	NO	YES	NO	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	10040000.	STCK1 ,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

371990.6, 372020.6, 372050.6,

*** Y-COORDINATES OF GRID ***
(METERS)

3754134.3, 3754164.3, 3754194.3,

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Ollie\Ollie Facility Residents\Ollie Facility R *** 02/03/22
*** AERMET - VERSION 16216 *** *** 15:36:14

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	371990.59	372020.59	372050.59

```
  3754194.30 |         30.30        30.10        30.10
  3754164.30 |         30.40        30.20        30.30
  3754134.30 |         30.50        30.10        30.30
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:14

                                  PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                          * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     371990.59    372020.59    372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3754194.30 |         30.30        30.10        30.10
  3754164.30 |         30.40        30.20        30.30
  3754134.30 |         30.50        30.10        30.30
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:14

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                     *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                       *** X-COORDINATES OF GRID ***
                                                 (METERS)

       371767.6,  371797.6,  371827.6,  371857.6,  371887.6,  371917.6,  371947.6,

                                       *** Y-COORDINATES OF GRID ***
                                                 (METERS)

      3754568.8, 3754598.8, 3754628.8, 3754658.8, 3754688.8,
↟ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:14
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	371767.65	371797.65	371827.65	371857.65	371887.65	371917.65	371947.65
3754688.79	31.20	31.50	31.50	31.40	31.30	31.10	30.90
3754658.79	31.20	31.40	31.30	31.40	31.20	31.10	31.00
3754628.79	31.10	31.30	31.20	31.40	31.10	31.00	31.00
3754598.79	31.00	31.20	31.10	31.20	30.90	30.80	30.90
3754568.79	31.00	31.00	31.00	31.00	30.80	30.80	30.60

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	371767.65	371797.65	371827.65	371857.65	371887.65	371917.65	371947.65
3754688.79	31.20	31.50	31.50	31.40	31.30	31.10	30.90
3754658.79	31.20	31.40	31.30	31.40	31.20	31.10	31.00
3754628.79	31.10	31.30	31.20	31.40	31.10	31.00	31.00

```
  3754598.79 |         31.00        31.20        31.10        31.20        30.90
    30.80        30.90
  3754568.79 |         31.00        31.00        31.00        31.00        30.80
    30.80        30.60
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:14

                                   PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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



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

                                                 1.54,   3.09,   5.14,   8.23,
10.80,
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:14

                                   PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

Surface file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.SFC
Met Version: 16216
Profile file: LosAngelesInt'lAirportADJU\KLAX_V9_ADJU\KLAX_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23174 Upper air station no.: 3190
Name: LOS_ANGELES/INT'L_ARPT 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	-5.9	0.105	-9.000	-9.000	-999.	82.	17.6	0.10	2.55	1.00	1.35	246.	10.1	282.5	2.0
12	01	01	1	02	-21.8	0.218	-9.000	-9.000	-999.	244.	52.3	0.10	2.55	1.00	2.67	268.	10.1	282.0	2.0
12	01	01	1	03	-10.3	0.139	-9.000	-9.000	-999.	127.	23.6	0.10	2.55	1.00	1.76	311.	10.1	281.4	2.0
12	01	01	1	04	-3.3	0.080	-9.000	-9.000	-999.	55.	14.1	0.10	2.55	1.00	0.97	280.	10.1	282.0	2.0
12	01	01	1	05	-10.9	0.144	-9.000	-9.000	-999.	131.	24.4	0.10	2.55	1.00	1.81	267.	10.1	281.4	2.0
12	01	01	1	06	-20.5	0.205	-9.000	-9.000	-999.	223.	46.3	0.10	2.55	1.00	2.52	283.	10.1	282.5	2.0
12	01	01	1	07	-5.5	0.101	-9.000	-9.000	-999.	83.	16.9	0.10	2.55	1.00	1.30	324.	10.1	281.4	2.0
12	01	01	1	08	-4.3	0.096	-9.000	-9.000	-999.	71.	18.6	0.10	2.55	0.55	1.23	90.	10.1	282.5	2.0
12	01	01	1	09	45.7	0.183	0.378	0.007	43.	188.	-12.2	0.10	2.55	0.32	1.67	106.	10.1	289.2	2.0
12	01	01	1	10	117.3	0.180	0.751	0.007	131.	184.	-4.5	0.10	2.55	0.24	1.42	105.	10.1	293.8	2.0
12	01	01	1	11	168.5	0.173	1.222	0.005	391.	173.	-2.8	0.10	2.55	0.21	1.25	27.	10.1	297.5	2.0
12	01	01	1	12	186.3	0.227	1.521	0.005	680.	260.	-5.7	0.10	2.55	0.20	1.86	63.	10.1	299.2	2.0
12	01	01	1	13	190.2	0.253	1.817	0.005	1136.	306.	-7.7	0.10	2.55	0.20	2.16	300.	10.1	296.4	2.0
12	01	01	1	14	160.2	0.448	1.842	0.005	1405.	720.	-50.6	0.10	2.55	0.21	4.68	276.	10.1	291.4	2.0

```
 12 01 01   1 15  108.6  0.466  1.661  0.005 1520.  764.    -83.9  0.10   2.55
0.24    5.02  270.   10.1  289.9    2.0
 12 01 01   1 16   37.3  0.455  1.167  0.005 1543.  737.   -228.8  0.10   2.55
0.33    5.10  270.   10.1  288.1    2.0
 12 01 01   1 17  -31.4  0.381 -9.000 -9.000 -999.  569.    159.8  0.10   2.55
0.59    4.54  268.   10.1  287.5    2.0
 12 01 01   1 18  -36.0  0.365 -9.000 -9.000 -999.  529.    146.4  0.10   2.55
1.00    4.37  274.   10.1  286.4    2.0
 12 01 01   1 19  -29.6  0.301 -9.000 -9.000 -999.  398.     99.5  0.10   2.55
1.00    3.63  271.   10.1  286.4    2.0
 12 01 01   1 20  -21.0  0.213 -9.000 -9.000 -999.  239.     49.9  0.10   2.55
1.00    2.61  271.   10.1  286.4    2.0
 12 01 01   1 21  -10.3  0.140 -9.000 -9.000 -999.  128.     24.0  0.10   2.55
1.00    1.77  281.   10.1  286.4    2.0
 12 01 01   1 22  -22.9  0.230 -9.000 -9.000 -999.  265.     58.3  0.10   2.55
1.00    2.81  270.   10.1  285.9    2.0
 12 01 01   1 23  -37.0  0.374 -9.000 -9.000 -999.  550.    154.2  0.10   2.55
1.00    4.48  272.   10.1  285.9    2.0
 12 01 01   1 24  -24.0  0.243 -9.000 -9.000 -999.  299.     65.0  0.10   2.55
1.00    2.96  274.   10.1  285.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  246.    1.35   282.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:14

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     371990.59    372020.59    372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      371990.59            372020.59            372050.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754194.3 |      0.00955 (15111620)      0.00896 (16032223)      0.00808
(15102922)
 3754164.3 |      0.00837 (15111620)      0.00804 (15102923)      0.00754
(16032223)
 3754134.3 |      0.00753 (15111622)      0.00715 (15102923)      0.00673
(16032223)
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:14

                                   PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      371767.65            371797.65            371827.65
     371857.65            371887.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.00656 (14022807)      0.00542 (14022807)      0.00362
(14022807)     0.00294 (14022808)     0.00365 (16121603)
 3754658.8 |      0.00757 (14022807)      0.00669 (14022807)      0.00467
(14022807)     0.00330 (12031708)     0.00349 (12032514)
 3754628.8 |      0.00838 (14022807)      0.00809 (14022807)      0.00599
(14022807)     0.00375 (12031708)     0.00384 (12031709)
 3754598.8 |      0.00856 (14022807)      0.00935 (14022807)      0.00760
(14022807)     0.00421 (12020713)     0.00428 (14013012)
 3754568.8 |      0.01023 (14121203)      0.00983 (14022807)      0.00924
(14022807)     0.00514 (14022807)     0.00472 (14013012)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)	
	371917.65	371947.65
3754688.8	0.00487 (14022819)	0.00549 (14022819)
3754658.8	0.00498 (14022819)	0.00554 (14022819)
3754628.8	0.00494 (14022819)	0.00555 (15100404)
3754598.8	0.00445 (14022819)	0.00623 (15100404)
3754568.8	0.00521 (16013113)	0.00646 (15100404)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	371990.59	372020.59	372050.59

```
 3754194.3 |      0.00536 (15111624)      0.00521 (15102924)      0.00495
(15102924)
 3754164.3 |      0.00492 (15111624)      0.00472 (15102924)      0.00489
(15102924)
 3754134.3 |      0.00444 (15111624)      0.00420 (15111624)      0.00453
(15102924)
```

```
                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                   *** NETWORK ID: UCART3   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       371767.65              371797.65              371827.65
       371857.65              371887.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |      0.00207 (13050516)      0.00190 (13050516)      0.00149
(13050516)      0.00097 (13050516)      0.00097 (16031116)
 3754658.8 |      0.00227 (13050516)      0.00220 (13050516)      0.00178
(13050516)      0.00116 (13050516)      0.00109 (16031116)
 3754628.8 |      0.00235 (13050516)      0.00248 (13050516)      0.00209
(13050516)      0.00135 (13050516)      0.00121 (16031116)
 3754598.8 |      0.00248 (13050416)      0.00262 (13050516)      0.00239
(13050516)      0.00157 (13050516)      0.00132 (16031116)
 3754568.8 |      0.00293 (14121208)      0.00283 (13050416)      0.00263
(13050516)      0.00180 (13050516)      0.00141 (16031116)
```

```
                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION
```

VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                 *** NETWORK ID: UCART3   ; NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371917.65   371947.65
 -
- -

 3754688.8 | 0.00141 (14022824)   0.00216 (14022824)
 3754658.8 | 0.00146 (14022824)   0.00231 (14022824)
 3754628.8 | 0.00170 (16013116)   0.00241 (14022824)
 3754598.8 | 0.00200 (16013116)   0.00236 (14022824)
 3754568.8 | 0.00229 (16013116)   0.00219 (16013116)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                 *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 371990.59   372020.59   372050.59
 -
- -

 3754194.3 | 0.00270 (15111624)   0.00241 (15111624)   0.00206
(15121224)
 3754164.3 | 0.00243 (15111624)   0.00233 (15111624)   0.00210
(15121224)
 3754134.3 | 0.00216 (15111624)   0.00215 (15111624)   0.00202
(15121224)

*** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** NETWORK ID: UCART3   ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS) 371767.65	371797.65	371827.65	371857.65	371887.65
3754688.8	0.00112 (13050524)	0.00113 (13050524)	0.00100 (13050524)	0.00074 (13050524)	0.00058 (14022824)
3754658.8	0.00114 (13050524)	0.00123 (13050524)	0.00114 (13050524)	0.00086 (13050524)	0.00061 (14022824)
3754628.8	0.00118 (16122324)	0.00128 (13050524)	0.00126 (13050524)	0.00098 (13050524)	0.00063 (14022824)
3754598.8	0.00122 (16122324)	0.00125 (13050524)	0.00135 (13050524)	0.00111 (13050524)	0.00063 (14022824)
3754568.8	0.00117 (16122324)	0.00118 (16122324)	0.00136 (13050524)	0.00122 (13050524)	0.00067 (13050524)

*** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** NETWORK ID: UCART3   ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

```
  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |      371917.65             371947.65
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3754688.8 |     0.00071 (14022824)     0.00096 (14022824)
 3754658.8 |     0.00076 (14022824)     0.00105 (14022824)
 3754628.8 |     0.00079 (14022824)     0.00113 (14022824)
 3754598.8 |     0.00079 (14022824)     0.00118 (14022824)
 3754568.8 |     0.00083 (16013124)     0.00115 (14022824)
🡅 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***       02/03/22
 *** AERMET - VERSION  16216 ***   ***
                      ***       15:36:14

                                   PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **



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

ALL       1ST HIGHEST VALUE IS       0.00012 AT (  371797.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          2ND HIGHEST VALUE IS       0.00011 AT (  371767.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          3RD HIGHEST VALUE IS       0.00011 AT (  371827.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          4TH HIGHEST VALUE IS       0.00011 AT (  371857.65,  3754568.79,
31.00,    31.00,    0.00)  GC  UCART3
          5TH HIGHEST VALUE IS       0.00010 AT (  371887.65,  3754568.79,
30.80,    30.80,    0.00)  GC  UCART3
          6TH HIGHEST VALUE IS       0.00010 AT (  371797.65,  3754598.79,
31.20,    31.20,    0.00)  GC  UCART3
          7TH HIGHEST VALUE IS       0.00010 AT (  371917.65,  3754568.79,
30.80,    30.80,    0.00)  GC  UCART3
          8TH HIGHEST VALUE IS       0.00010 AT (  371767.65,  3754598.79,
31.00,    31.00,    0.00)  GC  UCART3
          9TH HIGHEST VALUE IS       0.00010 AT (  371947.65,  3754568.79,
30.60,    30.60,    0.00)  GC  UCART3
```

```
         10TH HIGHEST VALUE IS       0.00010 AT (  371827.65,  3754598.79,
31.10,    31.10,    0.00)  GC  UCART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:14

                                  PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
              **

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

ALL      HIGH   1ST HIGH VALUE IS       0.01023  ON 14121203: AT (  371767.65,
3754568.79,    31.00,    31.00,    0.00)  GC  UCART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:14

                                  PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

```
                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

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

ALL      HIGH   1ST HIGH VALUE IS       0.00536  ON 15111624: AT (  371990.59,
3754194.30,    30.30,    30.30,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:14

                                   PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                ***  THE SUMMARY OF HIGHEST 24-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

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

ALL      HIGH   1ST HIGH VALUE IS       0.00270  ON 15111624: AT (  371990.59,
3754194.30,    30.30,    30.30,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** C:\Lakes\AERMOD View\Ollie\Ollie Facility
Residents\Ollie Facility R ***        02/03/22
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   3 Warning Message(s)
A Total of   718 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   458 Calm Hours Identified

A Total of   260 Missing Hours Identified (0.59 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   39   PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
ME W186   64   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187   64   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*HARP - HRACalc v19044 2/3/2022 3:38:12 PM - Cancer Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_1_Workers_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK
1			9901	DieselExhP	0.00012	7.43E-09	25YrCancerHighEnd_I	*	7.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	25YrCancerHighEnd_I	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/3/2022 3:38:12 PM - Acute Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_1_Workers_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhPM	0.01023	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.01023	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03	0.00E+00	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 2/3/2022 3:38:12 PM - Chronic Risk - Input File: C:\Users\noemi.wyss\Desktop\HARP\Ollie El Segundo\Ollie_Ops_1_Workers_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR
	1		9901	DieselExhP	0.00012	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2		107028	Acrolein	0	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE
0.00E+00	*	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00
INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00