LILAC AVENUE TRUCK REPAIR FACILITY PROJECT HEALTH RISK ASSESSMENT ANALYSIS

County of San Bernardino

September 8, 2022

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Traffic Engineering ● Transportation Planning ● Parking ● Noise & Vibration
Air Quality ● Global Climate Change ● Health Risk Assessment

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Project No. 19495

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EXECUTIVE SUMMARY

The purpose of this health risk assessment analysis is to provide an assessment of the impacts resulting from the operation of the proposed Lilac Avenue Truck Repair Facility project and to identify measures that may be necessary to reduce potentially significant impacts.

Cancer and Non-Cancer-Related Health Risk Impacts

The analysis contained in this report shows that the existing sensitive receptors, within the vicinity of the proposed Lilac Avenue Truck Repair Facility project, would not be exposed to a cancer risk in excess of 10 in a million from operation of the project. Impacts are considered to be less than significant.

The operational health risk impacts for non-cancer related impacts are less than 1.0; therefore, they are also considered to be less significant. No mitigation is required.

1. INTRODUCTION AND SETTING

This section describes the purpose of this health risk assessment, project location, proposed development, and study area. Figure 1 shows the project location map and Figure 2 illustrates the project site plan.

PURPOSE AND OBJECTIVES

This study was performed to address the possibility of cancer and non-cancer risk from project-related diesel emissions. The objectives of the study include:

- discussion of the cancer risk thresholds of significance;
- analysis of the operations related cancer risk from diesel emissions;
- recommendations for mitigation measures.

The County of San Bernardino is the lead agency for this health risk assessment, in accordance with the California Environmental Quality Act authorizing legislation. Although this is a technical report, every effort has been made to write the report clearly and concisely. To assist the reader with terms unique to air quality, a definition of terms has been provided in Appendix A.

PROJECT LOCATION

The 2.39-acre project site is located at 11317 Lilac Avenue, in the unincorporated area of Bloomington, in the County of San Bernardino, California. The project site is currently developed with truck tractor repair facility including office, shop and two maintenance structures (e.g. canopies). A vicinity map showing the project location is provided on Figure 1.

PROJECT DESCRIPTION

The proposed redevelopment project involves demolition of 13,800 square feet of maintenance space and construction of a new 15,000 square foot repair building. In addition, the existing 2,261 square-foot office building and 1,549 square-foot shop are proposed to be rebuilt at the same location and square-footage and maintain the uses of office and storage.

The existing operation has 40 employees and 10 independent drivers while the redevelopment project anticipates a total of 55 employees (5 additional people). Currently, approximately 40 employees and 10 independent drivers enter and exit the site between 7 AM and 3 PM, and approximately 50 trucks exit and return to the site between 8 AM and 2 PM. There are approximately 40 tractor trucks parked on-site at any one time. Truck repair operation is primarily for the Owner's fleet, but an estimated 5% of truck-tractors on-site are for repair of contractor vehicles.

The proposed project also includes 29 (9' x 19 to 20') parking stalls for employees and vendors, and 50 (12' x 25') parking stalls for truck-tractors. Access to the Project Site would be maintained by the existing driveway on Lilac Avenue. Figure 2 illustrates the proposed site plan.

According to the SCAQMD's MATES-V study, the project area has an estimated multi-pathway cancer risk of 425 in one million and an inhalation cancer risk of 400 in one million. In comparison the average multi-pathway cancer risk for the South Coast Air Basin portion of San Bernardino County is 471 in one million and the inhalation cancer risk is 439 in a million. This cancer risk at the project site is largely due to the proximity to the 10 Freeway and Union Pacific Rail Line.

PHASING AND TIMING

The proposed project is anticipated to be operational in 2024.

SENSITIVE RECEPTORS IN PROJECT VICINITY

Sensitive receptors include residential land uses, schools, day care centers, and other places where people reside, including prisons. The nearest sensitive receptors to the proposed project include the existing single-family residential uses located adjacent to the east and approximately 55 feet to the north (across Jurupa Avenue) of the project site.

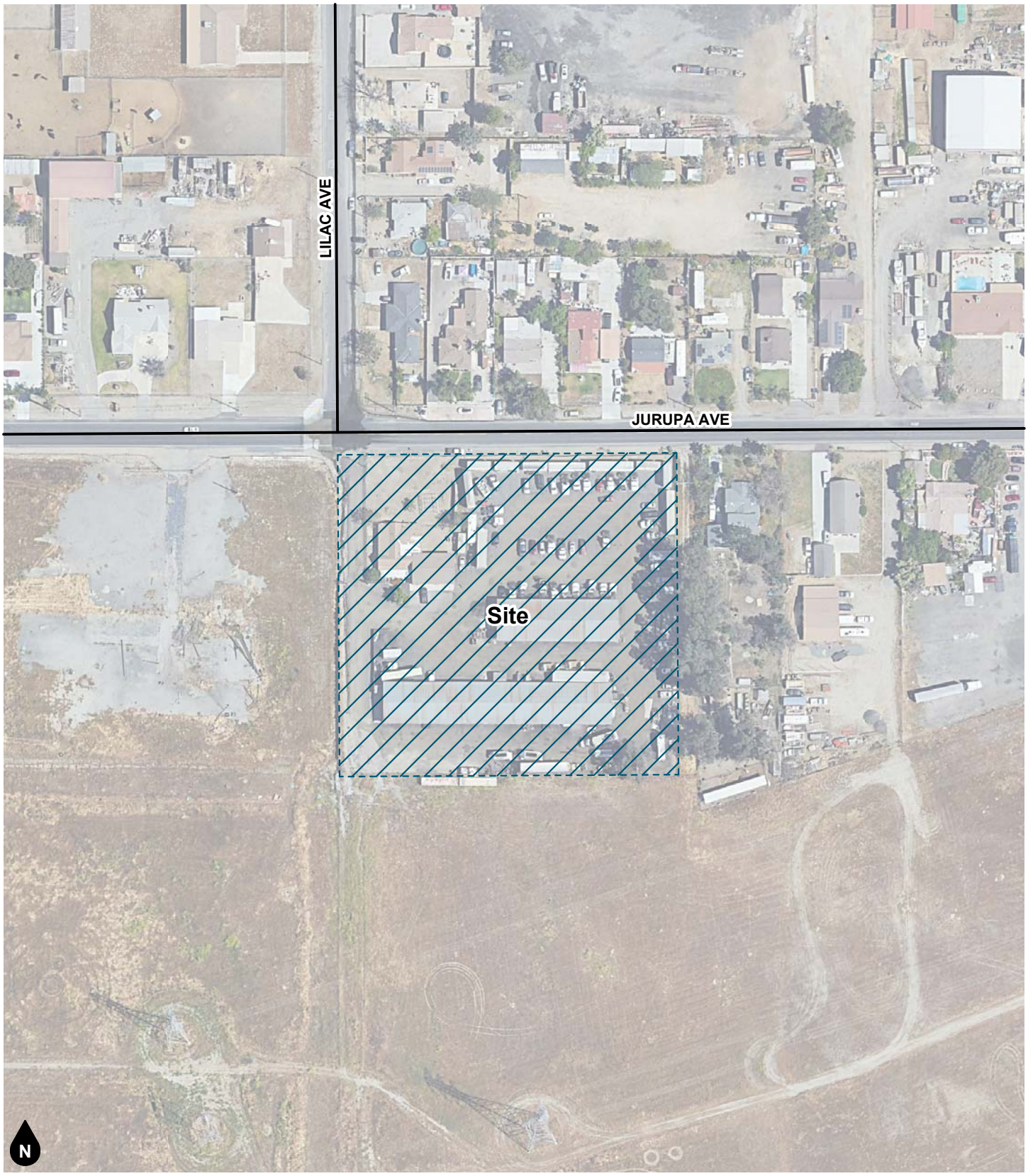

Figure 1
Project Location Map

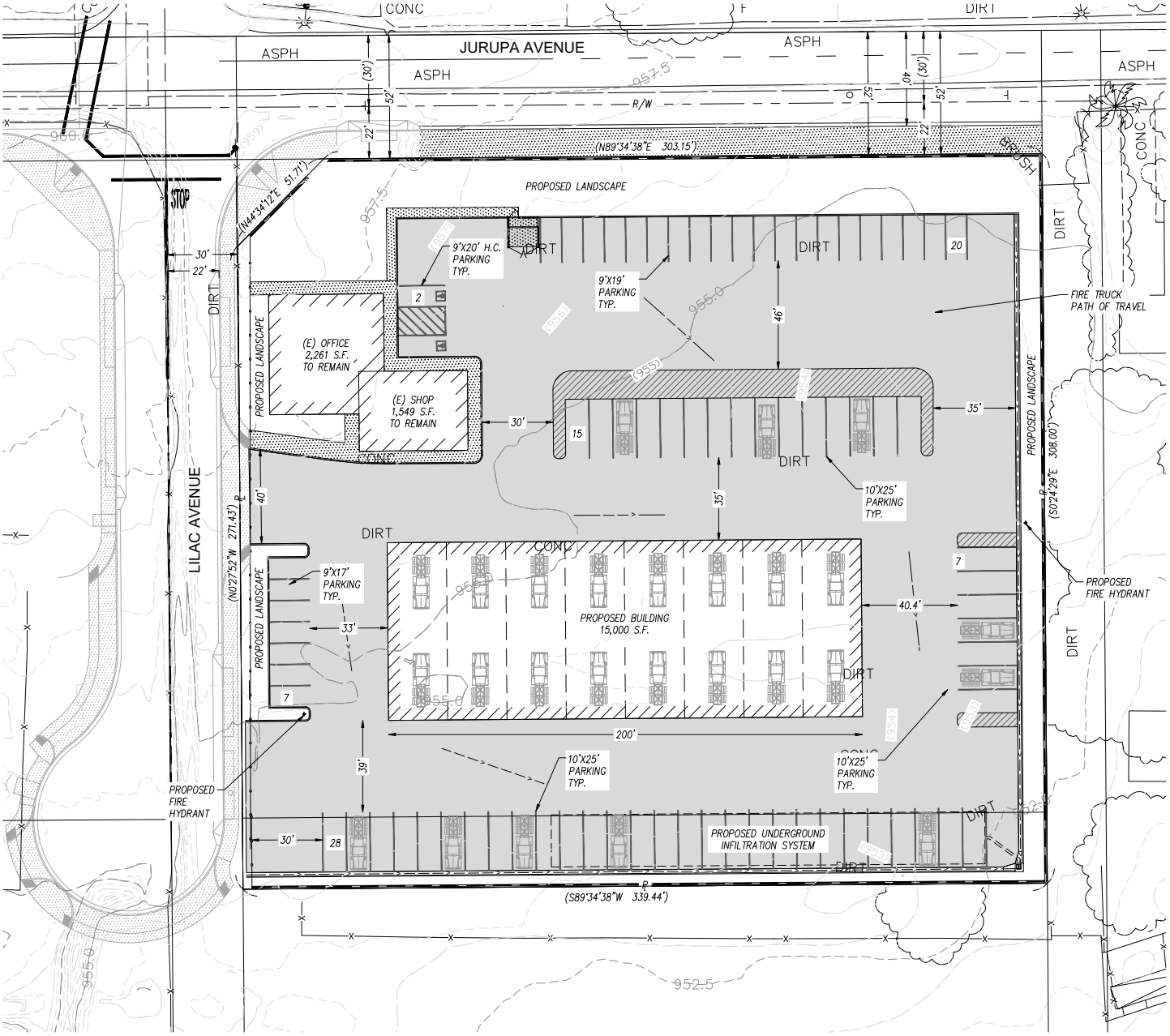

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Figure 2
Site Plan

2. POLLUTANTS AND REGULATORY SETTING

POLLUTANTS

Pollutants are generally classified as either criteria pollutants or non-criteria pollutants. Federal ambient air quality standards have been established for criteria pollutants, whereas no ambient standards have been established for non-criteria pollutants. For some criteria pollutants, separate standards have been set for different periods. Most standards have been set to protect public health. For some pollutants, standards have been based on other values (such as protection of crops, protection of materials, or avoidance of nuisance conditions). A summary of federal and state ambient air quality standards is provided in the Regulatory Framework section.

Toxic Air Contaminants

In addition to the above-listed criteria pollutants, toxic air contaminants (TACs) are another group of pollutants of concern. Sources of toxic air contaminants include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Cars and trucks release at least forty different toxic air contaminants. The most important of these toxic air contaminants, in terms of health risk, are diesel particulates, benzene, formaldehyde, 1,3-butadiene, and acetaldehyde. Public exposure to toxic air contaminants can result from emissions from normal operations as well as from accidental releases. Health effects of toxic air contaminants include cancer, birth defects, neurological damage, and death.

Toxic air contaminants are less pervasive in the urban atmosphere than criteria air pollutants, however they are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. There are hundreds of different types of toxic air contaminants with varying degrees of toxicity. Sources of toxic air contaminants include industrial processes, commercial operations (e.g., gasoline stations and dry cleaners), and motor vehicle exhaust.

According to the 2013 California Almanac of Emissions and Air Quality, the majority of the estimated health risk from toxic air contaminants can be attributed to relatively few compounds, the most important of which is diesel particulate matter (DPM). Diesel particulate matter is a subset of PM2.5 because the size of diesel particles are typically 2.5 microns and smaller. The identification of diesel particulate matter as a toxic air contaminant in 1998 led the California Air Resources Board (CARB) to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in diesel particulate matter by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot". Diesel exhaust also contains a variety of harmful gases and over 40 other cancer-causing substances. California's identification of diesel particulate matter as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to diesel particulate matter is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

The California Air Resources Board (CARB) have monitoring networks that measure ambient concentrations of certain TACs that are associated with important health-related effects and are present in appreciable concentrations in the area. The CARB publishes annual Statewide, air basin, and location-specific summaries of the concentration levels of several TACs and their resulting cancer risks[1]. The most recent summary is the CARB Air Quality Almanac for 2013 (CARB 2013). The Almanac presents the relevant concentration and

[1] Cancer risk is expressed as a probability of an individual out of a population of one million contracting cancer via a continuous exposure to TACs over a 30-year lifetime.

cancer risk data for the ten TACs that pose the most substantial health risk in California based on available data. These TACs are: acetaldehyde, benzene, 1,3-butadiene, carbon tetrachloride, hexavalent chromium, para-dichlorobenzene, formaldehyde, methylene chloride, and perchloroethylene. DPM is not directly measured but is indirectly estimated based on fine particulate matter measurements and special studies on the chemical speciation of ambient fine particulate data along with receptor modeling techniques. CARB showed that Diesel PM emissions decreased 37 percent from 2000 to 2010 primarily as a result of more stringent emissions standards and the introduction of cleaner burning diesel fuel. Emissions from diesel mobile sources are projected to continue to decrease after 2010. Overall, statewide emissions are forecasted to decline by 71 per cent between 2000 and 2035. CARB estimates that 78 percent of the known statewide cancer risks are from the top 10 outdoor air toxics in addition to DPM.

Estimates of total cancer risk Statewide have shown a steady decline from the early 1990s when the cancer risk from DPM was estimated to be 1,696 in one million. By the year 2000, the cancer risk was estimated to be 1,005 in one million or a reduction of 41 percent. Reductions in cancer risk are expected to continue into the future as new emission controls are implemented that further reduce DPM emissions, the major component of the total airborne cancer risk. Table 1 provides this summary of TACs and health risk information from the ARB Annual Toxic Summary for the most recent three-year period, 2018-2020 for the Riverside-Rubidoux air monitoring station, the closest air monitoring station to the project site with recent data, located approximately 3.83 miles southwest of the project site. The cancer risk attributable to the non-DPM chemicals (i.e., the 10 TACs measured by the ARB described above) have also shown significant reductions at the Riverside-Rubidoux location declining from an estimated cancer risk of 366 in one million in 2018, to 237 in one million in 2019.

Asbestos

Asbestos is listed as a TAC by the CARB and as a Hazardous Air Pollutant by the United States Environmental Protection Agency (EPA). Asbestos occurs naturally in mineral formations and crushing or breaking these rocks, through construction or other means, can release asbestiform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. Naturally occurring asbestos is not present in San Bernardino County. The nearest likely locations of naturally occurring asbestos, as identified in the General Location Guide for Ultramafic Rocks in California prepared by the California Division of Mines and Geology, is located at Asbestos Mountain in the San Jacinto Mountains, approximately 60 miles southeast of the project site. Due to the distance to the nearest natural occurrences of asbestos, the project site is not likely to contain asbestos.

REGULATORY SETTING

The proposed project is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to improve air quality through legislation, regulations, planning, policy making, education, and a variety of programs. The agencies responsible for improving the air quality are discussed below.

Federal – United States Environmental Protection Agency (EPA)

The EPA is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. It regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain locomotives. The National Ambient Air Quality Standards (NAAQS) pollutants were identified using medical evidence.

As part of its enforcement responsibilities, the EPA requires each state with federal nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the national

standards. The State Implementation Plan (SIP) must integrate federal, state, and local components and regulations to identify specific measures to reduce pollution, using a combination of performance standards and market-based programs within the timeframe identified in the State Implementation Plan (SIP).

State – California Air Resources Board

The CARB, which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the State Implementation Plan (SIP). In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g., hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

CARB Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling adopts new section 2485 within Chapter 10, Article 1, Division 3, title 13 in the California Code of Regulations. The measure limits the idling of diesel vehicles (i.e., commercial trucks over 10,000 pounds) to reduce emissions of toxics and criteria pollutants. The driver of any vehicle subject to this section: (1) shall not idle the vehicle's primary diesel engine for greater than five minutes at any location; and (2) shall not idle a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Requirements to Reduce Idling Emissions from New and In-Use Trucks. Amendments were made to Title 13 in California Code of Regulations in Sections 1956.8, 2404, 2424, 2425, and 2485. The amendment states: "all new 2008 and subsequent model-year heavy-duty diesel engines shall be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to 'neutral' or 'park,' and the parking brake is engaged. If the parking brake is not engaged, then the engine shutdown system shall shut down the engine after 900 seconds of continuous idling operation once the vehicle is stopped and the transmission is set to 'neutral' or 'park.'" There are a few conditions where the engine shutdown system can be overridden to prevent engine damage. Any project trucks manufactured after 2008 would be consistent with this rule, which would ultimately reduce air emissions.

Statewide Truck and Bus Regulation (Regulation to Reduce Emissions of DPM, Oxides of Nitrogen and Other Criteria Pollutants, from In-Use Heavy-Duty Diesel-Fueled Vehicles, Title 13, California Code of Regulations, Section 2025). On December 12, 2008, the ARB approved this regulation to reduce emissions from existing on-road diesel trucks and buses operating in California. This regulation applies to all on-road heavy-duty diesel-fueled vehicles with a gross vehicle weight rating greater than 14,000 pounds, agricultural yard trucks with off-road certified engines, and certain diesel fueled shuttle vehicles of any gross vehicle weight rating. Out-of-state trucks and buses that operate in California are also subject. Under the regulation, older, heavier trucks (i.e., those with pre-2000-year engines and a gross vehicle weight rating greater than 26,000 pounds), are required to have installed a particulate matter filter and must be replaced with a 2010 engine between 2015 and 2020, depending on the model year. By 2015, all heavier pre-1994 trucks must be upgraded to 2010 engines and newer trucks are thereafter required to be replaced over the next eight years. Older, more polluting trucks are required to be replaced first, while trucks that already have relatively clean 2007-2009 engines are not required to be replaced until 2023. Lighter trucks (14,001-26,000 pounds) must adhere to a similar schedule. Furthermore, nearly all trucks that are not required under the Truck and Bus Regulation to be replaced by 2015 were required to be upgraded with a particulate matter filter by that date.

The CARB is also responsible for regulations pertaining to toxic air contaminants. The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in 1987 as a means to establish a formal air toxics emission inventory risk quantification program. AB 2588, as amended, establishes a process

that requires stationary sources to report the type and quantities of certain substances their facilities routinely release into the air basin. The data is ranked by high, intermediate, and low categories, which are determined by: the potency, toxicity, quantity, volume, and proximity of the facility to nearby receptors.

AB 617 Nonvehicular air pollution: criteria air pollutants and toxic air contaminants

This bill requires the state board to develop a uniform statewide system of annual reporting of emissions of criteria air pollutants and toxic air contaminants for use by certain categories of stationary sources. The bill requires those stationary sources to report their annual emissions of criteria air pollutants and toxic air contaminants, as specified. This bill required the state board, by October 1, 2018, to prepare a monitoring plan regarding technologies for monitoring criteria air pollutants and toxic air contaminants and the need for and benefits of additional community air monitoring systems, as defined. The bill requires the state board to select, based on the monitoring plan, the highest priority locations in the state for the deployment of community air monitoring systems. The bill requires an air district containing a selected location, by July 1, 2019, to deploy a system in the selected location. The bill would authorize the air district to require a stationary source that emits air pollutants in, or that materially affect, the selected location to deploy a fence-line monitoring system, as defined, or other specified real-time, on-site monitoring. The bill authorizes the state board, by January 1, 2020, and annually thereafter, to select additional locations for the deployment of the systems. The bill would require air districts that have deployed a system to provide to the state board air quality data produced by the system. By increasing the duties of air districts, this bill would impose a state-mandated local program. The bill requires the state board to publish the data on its Internet Web site.

Regional

The project site is located within the unincorporated area of Bloomington, in San Bernardino County, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

SCAQMD

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

In addition to attaining and maintaining air quality standards set by State and Federal Governments, the District is also responsible for ensuring that toxic air pollutants do not pose a nuisance or significant health threat to the surrounding community. Every year, the State's Air Toxics Hot Spots program (AB 2588) requires the District to quantify and assess health risks from subject facilities to nearby residents, notify affected residents of significant risks, and to reduce those significant health risks to acceptable levels.

Health Risk Significant Thresholds

According to the SCAQMD CEQA Handbook, any project that has the potential to expose the public to toxic air contaminants in excess of the following thresholds would be considered to have a significant air quality impact:

- If the Maximum Incremental Cancer Risk is 10 in one million or greater; or
- Toxic air contaminants from the proposed project would result in a Hazard Index increase of 1 or greater.

In order to determine if the proposed project may have a significant impact related to hazardous air pollutants (HAP), the Health Risk Assessment Guidance for analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, (Diesel Analysis), prepared by SCAQMD, August 2003, recommends that if the proposed project is anticipated to create hazardous air pollutants through stationary sources or regular operations of diesel trucks on the project site, then the proximity of the nearest receptors to the source of the hazardous air pollutants and the toxicity of the hazardous air pollutants should be analyzed through a comprehensive facility-wide health risk assessment (HRA).

As determined in the *California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal. 4th 369 (CBIA) case the California Supreme Court determined that CEQA does not generally require an impact analysis of the existing environmental conditions on the future residents of a proposed project and generally only requires an analysis of the proposed project's impact on the environment. However, the CBIA case also stated that when a proposed project brings development and people into an area already subject to specific hazards and the new development/people exacerbate the existing hazards, then CEQA requires an analysis of the hazards and the proposed project's effect in terms of increasing the risks related to those hazards. Regarding air quality hazards, TACs are defined as substances that may cause or contribute to an increase in deaths or in serious illness, or that may pose a present or potential hazard to human health. As such, if a proposed project would not exacerbate pre-existing hazards (e.g., TAC health risks) then an analysis of those hazards and the proposed project's effect on increasing those hazards is not required.

However, the project is a truck repair use and will be a source of toxic air contaminants; therefore, an HRA was conducted.

Table 1
TAC Concentration Levels and Associated Risks - Riverside-Rubidoux

TAC	Concentration[1] / Risk[2]	Year		
		2018	2019	2020
Acetaldehyde	Annual Average	1.230	0.960	ND
	Health Risk	18	14	ND
Benzene	Annual Average	0.239	0.190	ID
	Health Risk	62	49	ID
1,3-Butadiene	Annual Average	0.043	0.034	ID
	Health Risk	46	37	ID
Carbon Tetrachloride	Annual Average	0.073	0.069	ID
	Health Risk	56	53	ID
Chromium, Hex	Annual Average	ND	0.032	ND
	Health Risk	ND	13	ND
Para-Dichlorobenzene	Annual Average	ID	ID	ID
	Health Risk	ID	ID	ID
Formaldehyde	Annual Average	4.210	3.190	ND
	Health Risk	88	67	ND
Methylene Chloride	Annual Average	9.590	0.281	ID
	Health Risk	95	3	ID
Perchloroethylene	Annual Average	0.011	0.011	ID
	Health Risk	1	1	ID
Diesel PM	Annual Average	No monitoring data available		
	Health Risk			
Total Health Risk (without DPM)		**366**	**237**	**-**

Notes:

ND = no data reported; ID = insufficient data

Source: http://www.arb.ca.gov/adam/toxics/toxics.html (for Riverside-Rubidoux- 5888 Mission Boulevard Air Monitoring Station)

1. Concentrations for Hexavalent Chromium are expressed as ng/m3, and concentrations for Diesel PM are expressed as µg/m3. Concentrations for all other TACs are expressed as ppb.

2. Health Risk represents the number of excess cancer cases per million people based on a lifetime (30-year) exposure to the annual average concentration. Total Health Risk represents only those compounds listed in this table and only those with data for the year. There may be other significant compounds for which monitoring and/or health risk information is not available.

3. DIESEL EMISSIONS HEALTH RISK ASSESSMENT

The on-going operation of the proposed project would generate toxic air contaminant emissions from diesel truck emissions created by the on-going operations of the proposed project. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 30-year lifetime will contract cancer, based on the use of revised Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology.

A health risk assessment requires the completion and interaction of four general steps:

(1) Quantify project-generated TAC emissions.
(2) Identify nearby ground-level receptor locations that may be affected by the emissions (including any special sensitive receptor locations such as residences, schools, hospitals, convalescent homes, and daycare centers).
(3) Perform air dispersion modeling analyses to estimate ambient pollutant concentrations at each receptor location using project TAC emissions and representative meteorological data to define the transport and dispersion of those emissions in the atmosphere.
(4) Characterize and compare the calculated health risks with the applicable health risk significance thresholds.

EMISSIONS INVENTORY DEVELOPMENT

Important issues that affect the dispersion modeling include the following: (1) Model Selection, (2) Source Treatment, (3) Meteorological Data, and (4) Receptor Grid. Each of these issues is addressed below.

Emission Source Estimates – DPM for Motor Vehicles

DPM emissions from the various sources were calculated using information derived from the project description, and mobile source emission factors from the CARB EMFAC2021 emissions factor model. Truck mix information was obtained from the *Lilac Avenue Truck Repair Facility Project Transportation Study Screening Assessment* (Transportation Study Screening Assessment) prepared by Ganddini Group, Inc. (July 19, 2022).

Four pieces of information are required to generate the mobile source emissions from the proposed project:

- Number of vehicle trips for each component of the proposed project;
- Types of vehicles that access the proposed project (passenger car vs. heavy-duty truck and gasoline vs. diesel);
- The allocation of the vehicle trips to each building that comprises the proposed project; and
- Estimate of the vehicle emission factors for estimating exhaust and idling emissions.

Estimate of Vehicle Trips and Vehicle Types

The Transportation Study Screening Assessment showed the project is expected to generate approximately 222 (non-passenger car equivalents) vehicle trips per day. Of those vehicle trips, 110 are automobile round trips and 112 are 2-axle truck round trips per day (non-passenger car equivalents). However, with the incorporation of the reduction from the removal of existing uses the proposed project is expected to generate a net total of approximately 11 (non-passenger car equivalents) vehicle trips per day. Of those vehicle trips, 10 are automobile round trips and 1 are 2-axle truck round trips per day (non-passenger car equivalents).

To be conservative, and show a worst-case analysis, this HRA was conducted utilizing the project generated vehicle trips without incorporation of the reduction of existing uses.

Estimate of Emission Factors

The DPM emission factors for the various vehicle types were derived from the CARB EMFAC2021 mobile source emission model. The emissions factors were derived for San Bernardino County. Third trimester exposure used opening year (2024) emissions factors, 2-year factors (for infant exposure) reflect years 2025 and 2026, 14-year average factors (for child exposure during years 2-16) reflect emissions during the first 14 years of operation (2027 to 2040), the second 14 years of exposure (years 2041-2054) were used for assessment of exposure during years 16 to 30.

Emissions factors were estimated to establish the emissions generated while the vehicles travel off-site, along travel links from the entrance/exit driveways to the trailer parking spaces, and while idling at entrance/exit driveways. All vehicles were assumed to travel on-site at a speed of 10 miles per hour. Off-site, the speeds along the roads were anticipated to average 35 miles per hour. Delivery vehicles were assumed to idle for a maximum of 15 minutes per vehicle per day (5 minutes per location: at the facility entrance, at the building, and at the facility exit), in keeping with the CARB Air Toxic Control Measure (ATCM), which regulates truck idling time (CARB 2005). The four different sets of emissions factors used in this assessment are detailed in Table 2. It should be noted that the DPM emissions on both the gram per mile and gram per idle hour bases decline beyond 2024 for all vehicle classes and in particular the heavy-heavy-duty truck class (the 4+ axle "big rig" trucks). This is due to the CARB emissions' requirements on heavy-duty trucks that call for either the replacement of older trucks with cleaner trucks or the installation of diesel particulate matter filters on the truck fleet.

Emission Source Characterization

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. An average truck height of 13.5 feet and average truck width of 8.5 feet were entered into the haul road calculator in AERMOD in order to calculate the plume height and release height for the line sources. Table 3 provides a summary of the assumptions used to configure the various emission sources. The following definitions are used to characterize the emission source geometrical configurations referred to in Table 3:

- Point source: A single, identifiable, local source of emissions; it is approximated in the AERMOD air dispersion model as a mathematical point in the modeling region with a location and emission characteristics such as height of release, temperature, etc., for example, a truck idle location where emissions are sourced from the truck's exhaust stack while the vehicle is stationary.

- Line source: A series of volume sources along a path, for example, vehicular traffic volumes along a roadway.

Figure 3 provides the location of the project buildings, emission source locations, and the locations of the nearest sensitive receptors (single-family detached residential dwelling units located adjacent to the project's eastern property line and along Jurupa Avenue). Residential receptors are shown as orange triangles labeled 1 through 8. The direction of on-site and off-site truck travel was estimated based on the site plan, Transportation Study Screening Assessment, and the County's designated truck routes.

RECEPTOR NETWORK

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations surrounding the project. Receptors were located at existing sensitive receptors surrounding the proposed project (as detailed above). In addition, the identified sensitive receptor locations were

supplemented by the specification of a modeling grid that extended around the proposed project to identify other potential locations of impact. The locations of the receptors are shown as orange triangles on Figure 3.

DISPERSION MODELING

The next step in the assessment process utilizes the emissions inventory along with a mathematical air dispersion model and representative meteorological data to calculate impacts at the various receptor locations. The dispersion model used in this assessment is described below.

Model Selection

The assessment of air quality and health risk impacts from pollutant emissions from this project applied the USEPA AERMOD Model, which is the air dispersion model accepted by the SCAQMD for performing air quality impact analyses. AERMOD predicts pollutant concentrations from point, area, volume, line, and flare sources with variable emissions in terrain from flat to complex with the inclusion of building downwash effects from buildings on pollutant dispersion. It captures the essential atmospheric physical processes and provides reasonable estimates over a wide range of meteorological conditions and modeling scenarios. AERMOD View Version 10.2.1, EPA version No. 21112, was utilized for this analysis.

General Model Assumptions

A summary of Emission Configurations is shown in Table 3. The basic options used in the dispersion modeling are summarized in Table 4.

As indicated in Table 4 the analysis takes into account the effects of building downwash on the dispersion of emissions from the various sources located on the project's property. Building downwash occurs when the aerodynamic turbulence, induced by nearby buildings, causes pollutants emitted from an elevated source to be mixed rapidly toward the ground (downwash), resulting in potentially higher ground-level concentrations than if the buildings were not present. The AERMOD dispersion model contains algorithms to account for building downwash effects. The required information includes the location of the emission source; the location of adjacent buildings; and the building geometry in terms of length, width, and height. For purposes of this analysis, the emission source and building locations were taken from the project site plan.

Meteorological Data

Meteorological data (processed with the ADJ_U option) from the Air District's Fontana monitoring site was selected for this modeling application. Five full years of meteorological data was collected at the site from January 1, 2011 to December 31, 2013 and January 1, 2015 to December 31, 2016 by the SCAQMD. The SCAQMD processed the data for input to the model. The data was obtained at SCAQMD's https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod (see Figure 4).

ESTIMATION OF HEALTH RISKS

Health risks from diesel particulate matter are twofold. First, diesel particulate matter is a carcinogen according to the State of California. Second, long-term chronic exposure to diesel particulate matter can cause health effects to the respiratory system. Each of these health risks is discussed below.

Cancer Risks

According to the *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*, released by the Office of Environmental Health Hazard Assessment (OEHHA) in February 2015 and formally adopted in March 2015, the residential inhalation dose for cancer risk assessment should be calculated using the following formula:

[Dose-air (mg/(Kg-day)]*Cancer Potency*[1x10^{-6}] = Potential Cancer Risk

Where:
Cancer Potency Factor = 1.1
Dose-inh = (C¬air * DBR * A * EF * ED *ASF*FAH* 10-6) / AT

Where:
Cair [Concentration in air (µg/m3)] = (Calculated by AERMOD Model)
DBR [Daily breathing rate (L/kg body weight – day)] = 261 for adults, 572 for children, and 1,090 for infants, and 361 for 3rd trimester per SCAQMD Permit Application Package "N" Table 4.1 D guidance.

A [Inhalation absorption factor] = 1
EF [Exposure frequency (days/year)] = 350
ED [Exposure duration (years)] = 30 for adults (for an individual who is an adult at opening year), 14 for children (from 2-16 years), 14 for adults (from 16-30 years), 2 for infants, and 1 for 3rd Trimester
ASF [Age sensitivity factor) = 10 for 3rd trimester to 2 years of age, 3 for 2 to 16 years of age, and 1 for 16 to 30 years of age
FAH [Fraction of time spent at home] = 1 for 3rd trimester to 2 years of age, 1 for 2 to 16 years of age, and 0.73 for 16 to 30 years of age
10^6 [Micrograms to milligrams conversion]
AT [Average time period over which exposure is averaged in days] = 25,550

The model run results are shown in Appendix B. Figure 5 illustrates the cancer risk to the most affected age-group, children (2-16 years). Table 5 show the cancer risk for the unborn child during the 3rd trimester, Table 6 shows the cancer risk to infants (0-2 years), Table 7 shows the cancer risk to children ages 2 to 16 years and Table 8 shows the cancer risk as that child becomes an adult (years 16-30).

The highest cancer risk, child (2-16 years), corresponds and is at receptor 5, with a maximum risk of 4.61 in one million. The maximum 3rd trimester (0.25-year) cancer risk is at receptor 5; with a maximum cancer risk of 0.18 in a million. The highest infant (0-2 year) cancer risk is at receptor 5; with a maximum risk of 4.34 in one million and the highest adult (16-30 years) cancer risk is at receptor 5; with a maximum risk of 0.5 in one million. Therefore, no children, infants, or adults are exposed to cancer risks in excess of 10 in a million.

The assessment of cancer-related health risk to sensitive receptors within the project vicinity is based on the following most-conservative scenario:

- An unborn child in its 3rd trimester is potentially exposed to DPM emissions (via exposure of the mother) during the opening year.
- That child is born opening year and then remains at home for the entire first two years of life.
- From age 2 to 16, the child remains at home 100 percent of the time.
- From age 16 to 30, the child continues to live at home, growing into an adult that spends 73 percent of its time at home and lives there until age 30.

Based on the above, ultra-conservative assumptions, the 30.25-year, cumulative carcinogenic health risk (3rd trimester [-0.25 to 0 years] + infant [0-2 years] + child [2-16 years] + adult [16-30 years]) to an individual born during the opening year of the project and located in the project vicinity for the entire 30-year duration, is a maximum of 9.64 in a million at receptor location 5, as shown in Table 9. Therefore, as the maximum incremental cancer risk (MICR) does not exceed 10 in a million at any sensitive receptor location, the on-going operation of the proposed project would result in a less than significant impact due to the cancer risk from diesel emissions created by the proposed project. Furthermore, as noted above, this analysis is conservative as it includes all project generated vehicle trips without incorporation of the reduction of existing uses.

Non-Cancer Risks

The relationship for non-cancer health effects is given by the equation:

HIDPM = CDPM/RELDPM

Where,

HIDPM	=	Hazard Index; an expression of the potential for non-cancer health effects.
CDPM	=	Annual average diesel particulate matter concentration in µg/m3.
RELDPM	=	Reference Exposure Level (REL) for diesel particulate matter; the diesel particulate matter concentration at which no adverse health effects are anticipated.

The non-carcinogenic hazards to adult, child and infant receptors are also detailed in Tables 5 through 8 column (j). The RELDPM is 5 µg/m3. The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. Using the maximum DPM concentration from opening year (2024), the resulting Hazard Index is:

HIDPM = 0.01339/5 = 0.002678

The criterion for significance is a Hazard Index increase of 1.0 or greater. Therefore, the on-going operations of the proposed project would result in a less than significant impact due to the non-cancer risk from diesel emissions created by the proposed project.

Table 2
DPM Emissions Factors for the Proposed Project

Vehicle Class	1-Year Average (Opening Year-2024)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.77769	0.05435	0.02193
Medium Heavy Duty Truck	0.07273	0.03833	0.00897
Heavy Heavy Duty Truck	0.01537	0.01217	0.00826

Vehicle Class	2-Year Average (2025-2026)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.77753	0.04865	0.02001
Medium Heavy Duty Truck	0.05503	0.02941	0.00714
Heavy Heavy Duty Truck	0.01428	0.01163	0.00785

Vehicle Class	14-Year Average (First 14 years of Operation - 2027-2040)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.76775	0.03871	0.01716
Medium Heavy Duty Truck	0.01857	0.00993	0.00305
Heavy Heavy Duty Truck	0.01107	0.00948	0.00644

Vehicle Class	14-Year Average (Second 14 years of Operation - 2041-2054)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.76173	0.03537	0.01654
Medium Heavy Duty Truck	0.00731	0.00320	0.00151
Heavy Heavy Duty Truck	0.00973	0.00818	0.00564

Notes:
Source: EMFAC2021.

Table 3
Summary of Emission Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
Off-Site Diesel Truck Traffic	Line Sources	Stack release height: 3.5 m
		Vehicle speed: 35 mph
		Length of the line source (Lilac Avenue from project driveway to Jurupa Avenue, Jurupa Avenue east of Lilac Avenue and Jurupa Avenue west of Lilac Avenue)
		Vehicle types: light-heavy-duty diesel delivery trucks (2-axle bobtail tractor-trucks)
		Emission factor: CARB EMFAC2021
On-Site Diesel Truck Traffic	Line Sources	Stack release height: 3.5 m
		Vehicle speed: 10 mph
		Length of the line source (distance from the project driveways to maintenance building/truck parking areas)
		Vehicle types: light-heavy-duty diesel trucks (2-axle bobtail tractor-trucks)
		Emission factor: CARB EMFAC2021
On-Site Diesel Truck Idling	Point Sources located at entrance/exit.	Stack release height: 3.5 m
		Stack release characteristics
		> Stack diameter: 0.1 meter (0.3 feet)
		> Stack velocity: 51.9 mps (170 feet/sec)
		> Stack temperature: 366 °k (200° F)
		Idle time: 15 minutes per truck per day
		Vehicle types: light-heavy-duty diesel delivery trucks (2-axle bobtail tractor-trucks)
		Emission factor: CARB EMFAC2021

Table 4
General Modeling Assumptions - AERMOD Model

Feature	Option Selected
Terrain processing	AERMAP - NED GEOTIFF 30 m
Emission source configuration	See Table 3
Regulatory dispersion options	Default
Land use	Urban
Coordinate system	UTM, Zone 11 north
Building downwash	Included in calculations
Receptor height	0 meters above ground (per OEHHA methodology)
Meteorological data	SCAQMD Fontana Meteorological Data

Table 5
Carcinogenic Risks and Non-Carcinogenic 3rd Trimester Exposure Scenario (0.25-Year)

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
1	0.00356	3.6E-06	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0007
2	0.00525	5.3E-06	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0011
3	0.00938	9.4E-06	1.00E+00	DPM	1.1E+00	0.13	5.0E+00	1.4E-03	0.0019
4	0.01051	1.1E-05	1.00E+00	DPM	1.1E+00	0.14	5.0E+00	1.4E-03	0.0021
5	0.01339	1.3E-05	1.00E+00	DPM	1.1E+00	0.18	5.0E+00	1.4E-03	0.0027
6	0.00502	5.0E-06	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0010
7	0.00909	9.1E-06	1.00E+00	DPM	1.1E+00	0.12	5.0E+00	1.4E-03	0.0018
8	0.00201	2.0E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0004

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake:

Exposure Frequency (days/year)	350
Exposure Duration (years)	0.25
Daily Breathing Rate	361
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	91.25

E= 10^{X}, i.e. E-02 = 10^{-2}

Table 6
Carcinogenic Risks and Non-Carcinogenic Infant Exposure Scenario (2-Year)

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
1	0.00348	3.5E-06	1.00E+00	DPM	1.1E+00	1.14	5.0E+00	1.4E-03	0.0007
2	0.00516	5.2E-06	1.00E+00	DPM	1.1E+00	1.70	5.0E+00	1.4E-03	0.0010
3	0.00925	9.3E-06	1.00E+00	DPM	1.1E+00	3.04	5.0E+00	1.4E-03	0.0019
4	0.01039	1.0E-05	1.00E+00	DPM	1.1E+00	3.41	5.0E+00	1.4E-03	0.0021
5	0.01321	1.3E-05	1.00E+00	DPM	1.1E+00	4.34	5.0E+00	1.4E-03	0.0026
6	0.00494	4.9E-06	1.00E+00	DPM	1.1E+00	1.62	5.0E+00	1.4E-03	0.0010
7	0.00898	9.0E-06	1.00E+00	DPM	1.1E+00	2.95	5.0E+00	1.4E-03	0.0018
8	0.00195	1.9E-04	1.00E+00	DPM	1.1E+00	0.64	5.0E+00	1.4E-03	0.0004

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	2
Daily Breathing Rate	1090
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	730

E= 10^{X}, i.e. E-02 = 10^{-2}

Table 7
Carcinogenic Risks and Non-Carcinogenic Child Exposure Scenario (2-16 Years)

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Index (j)
1	0.00332	3.3E-06	1.00E+00	DPM	1.1E+00	1.20	5.0E+00	1.4E-03	0.0007
2	0.00497	5.0E-06	1.00E+00	DPM	1.1E+00	1.80	5.0E+00	1.4E-03	0.0010
3	0.00892	8.9E-06	1.00E+00	DPM	1.1E+00	3.23	5.0E+00	1.4E-03	0.0018
4	0.01005	1.0E-05	1.00E+00	DPM	1.1E+00	3.64	5.0E+00	1.4E-03	0.0020
5	0.01274	1.3E-05	1.00E+00	DPM	1.1E+00	4.61	5.0E+00	1.4E-03	0.0025
6	0.00474	4.7E-06	1.00E+00	DPM	1.1E+00	1.72	5.0E+00	1.4E-03	0.0009
7	0.00869	8.7E-06	1.00E+00	DPM	1.1E+00	3.15	5.0E+00	1.4E-03	0.0017
8	0.00184	1.8E-06	1.00E+00	DPM	1.1E+00	0.67	5.0E+00	1.4E-03	0.0004

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	14
Daily Breathing Rate	572
Age Sensitivity Factor	3
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	5110

E= 10^{X}, i.e. E-02 = 10^{-2}

Table 8
Carcinogenic Risks and Non-Carcinogenic Hazards Adult Exposure Scenario (16-30 Years)

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
1	0.00327	3.3E-06	1.00E+00	DPM	1.1E+00	0.13	5.0E+00	1.4E-03	0.0007
2	0.0049	4.9E-06	1.00E+00	DPM	1.1E+00	0.20	5.0E+00	1.4E-03	0.0010
3	0.0088	8.8E-06	1.00E+00	DPM	1.1E+00	0.35	5.0E+00	1.4E-03	0.0018
4	0.00993	9.9E-06	1.00E+00	DPM	1.1E+00	0.40	5.0E+00	1.4E-03	0.0020
5	0.01256	1.3E-05	1.00E+00	DPM	1.1E+00	0.50	5.0E+00	1.4E-03	0.0025
6	0.00468	4.7E-06	1.00E+00	DPM	1.1E+00	0.19	5.0E+00	1.4E-03	0.0009
7	0.00858	8.6E-06	1.00E+00	DPM	1.1E+00	0.34	5.0E+00	1.4E-03	0.0017
8	0.00181	1.8E-06	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0004

Notes:

OEHHA 95th percentile Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	14
Daily Breathing Rate	261
Age Sensitivity Factor	1
Fraction of Time At Home (FAH)	0.73
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	5110

E= 10^{X}, i.e. E-02 = 10^{-2}

Table 9
Cumulative Carcinogenic Risk 30.25-Year Exposure Scenario

Receptor ID	Cumulative RISK (per million)
1	2.52
2	3.76
3	6.75
4	7.59
5	9.64
6	3.60
7	6.56
8	1.41

N

Legend

Project Boundary
Truck Travel Routes
Idling Locations
Receptor Locations
Cartesian Receptors

Figure 3
AERMOD Model Source and Receptor Placement

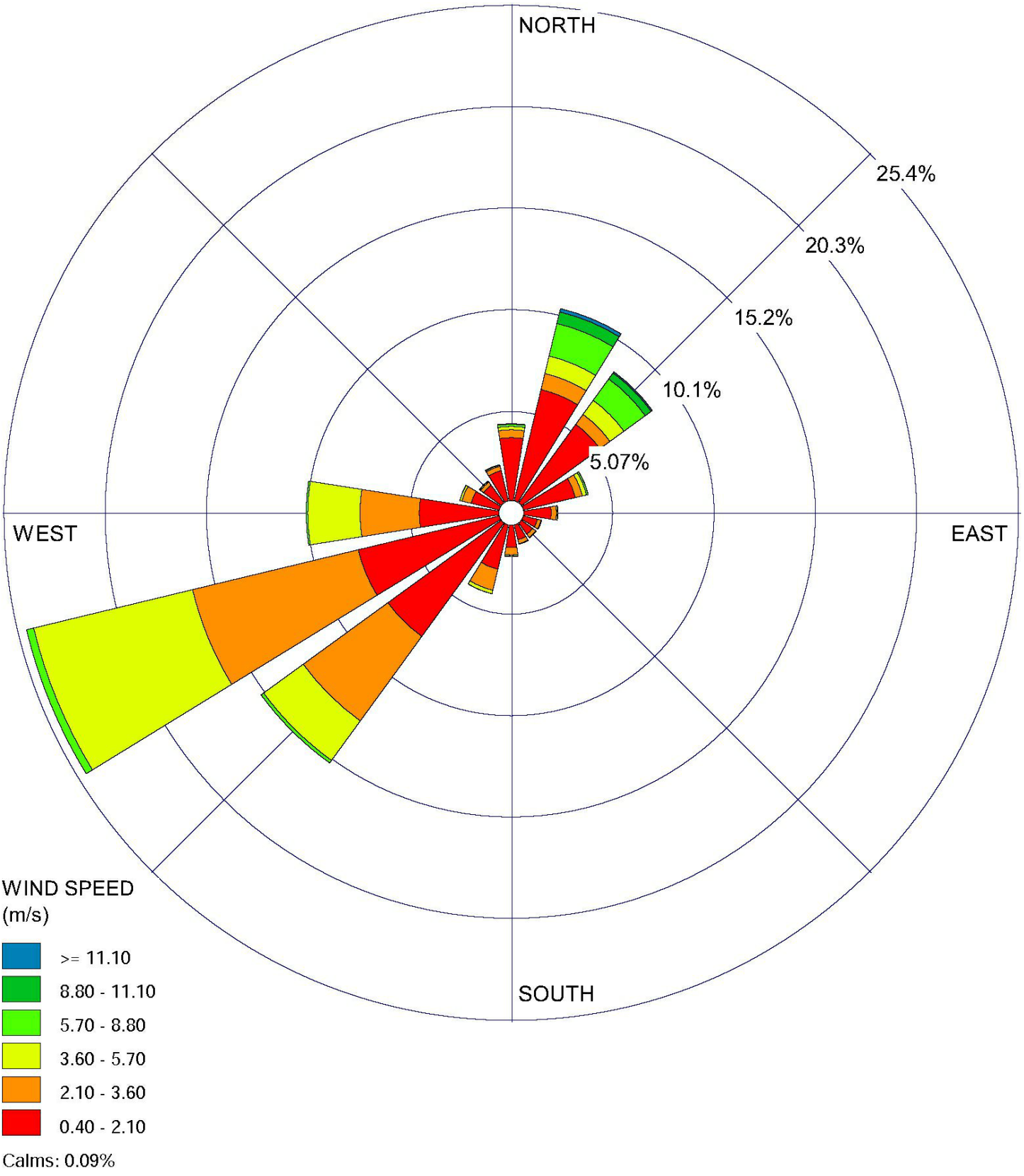
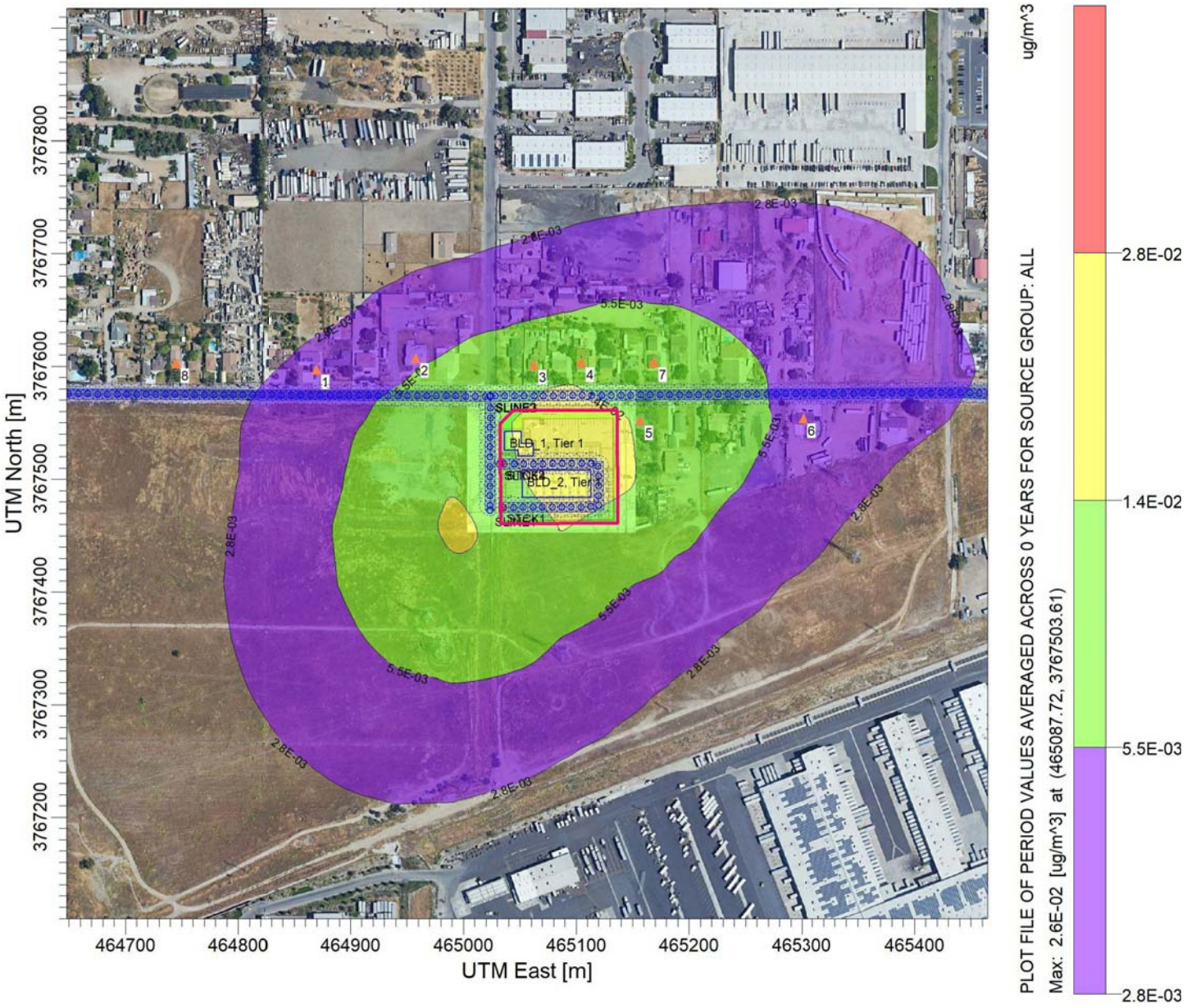


Figure 4
Wind Rose: Fontana



N

Legend

Child Cancer Risk (2-16 Years)

- 10 in a million
- 5 in a million
- 2 in a million
- 1 in a million

Figure 5
Modeled Study Area Highest Annual DPM Emissions

4. MITIGATION MEASURES

OPERATIONAL MEASURES

Health risk impacts are less than significant. No operational mitigation is required.

5. REFERENCES

California Air Pollution Control Officers Association

2009 Health Risk Assessments for Proposed Land Use Projects

California Air Resources Board

2008 Resolution 08-43

2008 Airborne Toxic Control Measure for in-use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, Section 2477 of Division 3, Chapter 9, Title 13, California Code of Regulations

2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions

2013 Almanac of Emissions and Air Quality.
Source: https://www.arb.ca.gov/aqd/almanac/almanac13/almanac13.htm

Ganddini Group, Inc.

2022 Lilac Avenue Truck Repair Facility Project Transportation Study Screening Assessment. July 19.

Office of Environmental Health Hazard Assessment

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

2003 Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis

2021 MATES-V Multiple Air Toxics Exposure Study in the South Coast AQMD Final Report. August.

U.S. Geological Survey

2011 Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California

APPENDICES

Appendix A Glossary
Appendix B AERMOD Model Printout

APPENDIX A

GLOSSARY

AQMP	Air Quality Management Plan
BACT	Best Available Control Technologies
CAAQS	California Ambient Air Quality Standards
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	East Kern Air Pollution Control District
EKAPCD	Diesel particulate matter
EPA	U.S. Environmental Protection Agency
GHG	Greenhouse gas
GWP	Global warming potential
HIDPM	Hazard Index Diesel Particulate Matter
HFCs	Hydrofluorocarbons
IPCC	International Panel on Climate Change
LCFS	Low Carbon Fuel Standard
LST	Localized Significant Thresholds
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
OEHHA	Office of Environmental Health Hazard Assessment
O_3	Ozone
OPR	Governor's Office of Planning and Research
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SJVAPCD	San Joaquin Valley Air Pollution Control District
SOx	Sulfur Oxides
TAC	Toxic air contaminants
VOC	Volatile organic compounds

APPENDIX B

AERMOD MODEL PRINTOUT

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 8/23/2022
** File: C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Ave Truck Repair HRA - 1 year\19495 Lilac Ave Truck Repair HRA - 1 year.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci
   TITLETWO DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 Count_of_San_Bernardino
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "19495 Lilac Ave Truck Repair HRA - 1 year.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Lilac Avenue from Project Driveway to Jurupa Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.71E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.533, 3767472.715, 292.03, 3.50, 4.00
** 465023.646, 3767569.356, 293.25, 3.50, 4.00
** ------------------------------------------------------------------------
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   LOCATION L0000012     VOLUME   465023.538 3767477.010 292.08
   LOCATION L0000013     VOLUME   465023.548 3767485.601 292.21
   LOCATION L0000014     VOLUME   465023.558 3767494.192 292.33
   LOCATION L0000015     VOLUME   465023.568 3767502.783 292.46
   LOCATION L0000016     VOLUME   465023.578 3767511.374 292.58
   LOCATION L0000017     VOLUME   465023.588 3767519.964 292.69
   LOCATION L0000018     VOLUME   465023.598 3767528.555 292.81
   LOCATION L0000019     VOLUME   465023.608 3767537.146 292.92
   LOCATION L0000020     VOLUME   465023.618 3767545.737 293.01
   LOCATION L0000021     VOLUME   465023.628 3767554.328 293.11
   LOCATION L0000022     VOLUME   465023.638 3767562.918 293.21
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Jurupa Avenue west of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.57E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.348, 3767573.427, 293.24, 3.50, 4.00
** 464618.552, 3767575.749, 296.44, 3.50, 4.00
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   LOCATION L0000077     VOLUME   464958.918 3767573.797 293.76
   LOCATION L0000078     VOLUME   464950.327 3767573.846 293.82
   LOCATION L0000079     VOLUME   464941.737 3767573.895 293.88
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   LOCATION L0000082     VOLUME   464915.965 3767574.043 294.10
   LOCATION L0000083     VOLUME   464907.374 3767574.092 294.17
   LOCATION L0000084     VOLUME   464898.783 3767574.142 294.24
   LOCATION L0000085     VOLUME   464890.193 3767574.191 294.30
   LOCATION L0000086     VOLUME   464881.602 3767574.240 294.36
   LOCATION L0000087     VOLUME   464873.011 3767574.290 294.41
   LOCATION L0000088     VOLUME   464864.421 3767574.339 294.46
   LOCATION L0000089     VOLUME   464855.830 3767574.388 294.53
   LOCATION L0000090     VOLUME   464847.239 3767574.437 294.59
   LOCATION L0000091     VOLUME   464838.649 3767574.487 294.65
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   LOCATION L0000093     VOLUME   464821.467 3767574.585 294.71
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   LOCATION L0000098     VOLUME   464778.514 3767574.831 295.02
   LOCATION L0000099     VOLUME   464769.923 3767574.881 295.09
   LOCATION L0000100     VOLUME   464761.333 3767574.930 295.16
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   LOCATION L0000102     VOLUME   464744.151 3767575.029 295.28
   LOCATION L0000103     VOLUME   464735.561 3767575.078 295.34
   LOCATION L0000104     VOLUME   464726.970 3767575.127 295.43
   LOCATION L0000105     VOLUME   464718.379 3767575.176 295.52
   LOCATION L0000106     VOLUME   464709.789 3767575.226 295.61
   LOCATION L0000107     VOLUME   464701.198 3767575.275 295.70
   LOCATION L0000108     VOLUME   464692.607 3767575.324 295.78
   LOCATION L0000109     VOLUME   464684.017 3767575.373 295.87
   LOCATION L0000110     VOLUME   464675.426 3767575.423 295.95
   LOCATION L0000111     VOLUME   464666.836 3767575.472 296.03
   LOCATION L0000112     VOLUME   464658.245 3767575.521 296.11
   LOCATION L0000113     VOLUME   464649.654 3767575.570 296.16
   LOCATION L0000114     VOLUME   464641.064 3767575.620 296.20
   LOCATION L0000115     VOLUME   464632.473 3767575.669 296.24
   LOCATION L0000116     VOLUME   464623.882 3767575.718 296.30
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Jurupa Avenue east of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.07E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 4
** 465023.758, 3767573.575, 293.24, 3.50, 4.00
** 465422.854, 3767576.407, 295.37, 3.50, 4.00
** 465441.910, 3767576.767, 295.30, 3.50, 4.00
** 465484.697, 3767575.328, 295.63, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000171     VOLUME   465028.053 3767573.605 293.30
   LOCATION L0000172     VOLUME   465036.644 3767573.666 293.24
   LOCATION L0000173     VOLUME   465045.234 3767573.727 293.17
   LOCATION L0000174     VOLUME   465053.825 3767573.788 293.07
   LOCATION L0000175     VOLUME   465062.415 3767573.849 292.97
   LOCATION L0000176     VOLUME   465071.006 3767573.910 292.88
   LOCATION L0000177     VOLUME   465079.597 3767573.971 292.80
   LOCATION L0000178     VOLUME   465088.187 3767574.032 292.72
   LOCATION L0000179     VOLUME   465096.778 3767574.093 292.64
   LOCATION L0000180     VOLUME   465105.368 3767574.154 292.59
```

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   LOCATION L0000181     VOLUME   465113.959 3767574.215 292.53
   LOCATION L0000182     VOLUME   465122.549 3767574.276 292.49
   LOCATION L0000183     VOLUME   465131.140 3767574.337 292.47
   LOCATION L0000184     VOLUME   465139.731 3767574.398 292.46
   LOCATION L0000185     VOLUME   465148.321 3767574.459 292.44
   LOCATION L0000186     VOLUME   465156.912 3767574.520 292.41
   LOCATION L0000187     VOLUME   465165.502 3767574.581 292.38
   LOCATION L0000188     VOLUME   465174.093 3767574.642 292.35
   LOCATION L0000189     VOLUME   465182.684 3767574.703 292.32
   LOCATION L0000190     VOLUME   465191.274 3767574.764 292.28
   LOCATION L0000191     VOLUME   465199.865 3767574.824 292.25
   LOCATION L0000192     VOLUME   465208.455 3767574.885 292.23
   LOCATION L0000193     VOLUME   465217.046 3767574.946 292.22
   LOCATION L0000194     VOLUME   465225.636 3767575.007 292.20
   LOCATION L0000195     VOLUME   465234.227 3767575.068 292.19
   LOCATION L0000196     VOLUME   465242.818 3767575.129 292.18
   LOCATION L0000197     VOLUME   465251.408 3767575.190 292.17
   LOCATION L0000198     VOLUME   465259.999 3767575.251 292.16
   LOCATION L0000199     VOLUME   465268.589 3767575.312 292.15
   LOCATION L0000200     VOLUME   465277.180 3767575.373 292.14
   LOCATION L0000201     VOLUME   465285.771 3767575.434 292.14
   LOCATION L0000202     VOLUME   465294.361 3767575.495 292.14
   LOCATION L0000203     VOLUME   465302.952 3767575.556 292.22
   LOCATION L0000204     VOLUME   465311.542 3767575.617 292.39
   LOCATION L0000205     VOLUME   465320.133 3767575.678 292.56
   LOCATION L0000206     VOLUME   465328.723 3767575.739 292.73
   LOCATION L0000207     VOLUME   465337.314 3767575.800 292.88
   LOCATION L0000208     VOLUME   465345.905 3767575.861 293.03
   LOCATION L0000209     VOLUME   465354.495 3767575.922 293.21
   LOCATION L0000210     VOLUME   465363.086 3767575.983 293.44
   LOCATION L0000211     VOLUME   465371.676 3767576.044 293.67
   LOCATION L0000212     VOLUME   465380.267 3767576.105 293.99
   LOCATION L0000213     VOLUME   465388.858 3767576.166 294.42
   LOCATION L0000214     VOLUME   465397.448 3767576.227 294.85
   LOCATION L0000215     VOLUME   465406.039 3767576.288 295.01
   LOCATION L0000216     VOLUME   465414.629 3767576.349 294.88
   LOCATION L0000217     VOLUME   465423.220 3767576.414 294.74
   LOCATION L0000218     VOLUME   465431.809 3767576.576 294.79
   LOCATION L0000219     VOLUME   465440.398 3767576.738 295.01
   LOCATION L0000220     VOLUME   465448.985 3767576.529 295.22
   LOCATION L0000221     VOLUME   465457.571 3767576.240 295.36
   LOCATION L0000222     VOLUME   465466.157 3767575.952 295.44
   LOCATION L0000223     VOLUME   465474.743 3767575.663 295.53
   LOCATION L0000224     VOLUME   465483.329 3767575.374 295.59
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Project Drivways to Maintenance/Parking Areas
** PREFIX
** Length of Side = 8.59
```

```
** Configuration = Adjacent
** Emission Rate = 9.41E-06
** Vertical Dimension = 7.00
** SZINIT = 3.25
** Nodes = 4
** 465031.823, 3767513.650, 292.44, 3.50, 4.00
** 465119.507, 3767514.249, 291.76, 3.50, 4.00
** 465119.997, 3767475.829, 291.48, 3.50, 4.00
** 465030.970, 3767475.212, 291.91, 3.50, 4.00
** ----------------------------------------------------------------
   LOCATION L0000225     VOLUME   465036.118 3767513.680 292.52
   LOCATION L0000226     VOLUME   465044.708 3767513.738 292.45
   LOCATION L0000227     VOLUME   465053.299 3767513.797 292.35
   LOCATION L0000228     VOLUME   465061.890 3767513.855 292.25
   LOCATION L0000229     VOLUME   465070.480 3767513.914 292.15
   LOCATION L0000230     VOLUME   465079.071 3767513.973 292.08
   LOCATION L0000231     VOLUME   465087.661 3767514.031 292.00
   LOCATION L0000232     VOLUME   465096.252 3767514.090 291.94
   LOCATION L0000233     VOLUME   465104.843 3767514.149 291.88
   LOCATION L0000234     VOLUME   465113.433 3767514.207 291.83
   LOCATION L0000235     VOLUME   465119.539 3767511.732 291.78
   LOCATION L0000236     VOLUME   465119.648 3767503.142 291.73
   LOCATION L0000237     VOLUME   465119.758 3767494.552 291.66
   LOCATION L0000238     VOLUME   465119.867 3767485.962 291.59
   LOCATION L0000239     VOLUME   465119.977 3767477.372 291.51
   LOCATION L0000240     VOLUME   465112.949 3767475.780 291.56
   LOCATION L0000241     VOLUME   465104.358 3767475.721 291.62
   LOCATION L0000242     VOLUME   465095.768 3767475.661 291.69
   LOCATION L0000243     VOLUME   465087.177 3767475.602 291.73
   LOCATION L0000244     VOLUME   465078.586 3767475.542 291.76
   LOCATION L0000245     VOLUME   465069.996 3767475.483 291.80
   LOCATION L0000246     VOLUME   465061.405 3767475.423 291.83
   LOCATION L0000247     VOLUME   465052.815 3767475.364 291.87
   LOCATION L0000248     VOLUME   465044.224 3767475.304 291.91
   LOCATION L0000249     VOLUME   465035.633 3767475.245 291.97
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      465034.070  3767475.500      291.980
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      465033.780  3767514.070      292.540
** DESCRSRC Idling Location 2
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000012     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000013     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000014     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000015     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000016     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000017     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000018     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000019     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000020     0.0000001555      3.50      4.00      1.63
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   SRCPARAM L0000021     0.0000001555      3.50      4.00      1.63
   SRCPARAM L0000022     0.0000001555      3.50      4.00      1.63
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000070     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000071     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000072     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000073     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000074     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000075     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000076     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000077     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000078     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000079     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000080     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000081     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000082     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000083     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000084     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000085     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000086     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000087     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000088     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000089     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000090     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000091     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000092     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000093     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000094     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000095     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000096     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000097     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000098     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000099     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000100     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000101     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000102     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000103     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000104     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000105     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000106     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000107     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000108     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000109     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000110     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000111     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000112     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000113     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000114     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000115     0.00000007596      3.50      4.00      1.63
   SRCPARAM L0000116     0.00000007596      3.50      4.00      1.63
```

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** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000171     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000172     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000173     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000174     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000175     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000176     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000177     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000178     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000179     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000180     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000181     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000182     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000183     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000184     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000185     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000186     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000187     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000188     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000189     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000190     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000191     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000192     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000193     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000194     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000195     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000196     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000197     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000198     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000199     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000200     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000201     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000202     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000203     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000204     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000205     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000206     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000207     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000208     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000209     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000210     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000211     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000212     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000213     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000214     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000215     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000216     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000217     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000218     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000219     0.00000007537      3.50      4.00      1.63
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   SRCPARAM L0000220     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000221     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000222     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000223     0.00000007537      3.50      4.00      1.63
   SRCPARAM L0000224     0.00000007537      3.50      4.00      1.63
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000225     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000226     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000227     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000228     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000229     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000230     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000231     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000232     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000233     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000234     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000235     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000236     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000237     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000238     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000239     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000240     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000241     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000242     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000243     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000244     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000245     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000246     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000247     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000248     0.0000003764      3.50      4.00      3.25
   SRCPARAM L0000249     0.0000003764      3.50      4.00      3.25
** ------------------------------------------------------------------
   SRCPARAM STCK1         0.000126     3.500   366.000  51.90000     0.100
   SRCPARAM STCK2         0.000126     3.500   366.000  51.90000     0.100
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "19495 Lilac Ave Truck Repair HRA - 1 year.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
```

```
**
**
ME STARTING
   SURFFILE ..\FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE ..\FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19495 LILAC AVE TRUCK REPAIR HRA - 1 YEAR.AD\PE00GALL.PLT" 31
   SUMMFILE "19495 Lilac Ave Truck Repair HRA - 1 year.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


 *** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
 *** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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                                        ***     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   139 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  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
       TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  PM_2.5

**Model Calculates PERIOD Averages Only

**This Run Includes:    139 Source(s);       1 Source Group(s); and     449 Receptor(s)

               with:      2 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    137 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 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) =   367.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                            ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

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

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

**Detailed Error/Message File:   19495 Lilac Ave Truck Repair HRA - 1 year.err
**File for Summary of Results:   19495 Lilac Ave Truck Repair HRA - 1 year.sum

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                    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   0.12600E-03  465034.1 3767475.5   292.0     3.50   366.00    51.90     0.10    NO      YES   NO
STCK2           0   0.12600E-03  465033.8 3767514.1   292.5     3.50   366.00    51.90     0.10    NO      YES   NO

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                    PAGE   3
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** VOLUME SOURCE DATA ***

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

L0000012        0   0.15550E-06  465023.5 3767477.0   292.1     3.50     4.00     1.63     YES
L0000013        0   0.15550E-06  465023.5 3767485.6   292.2     3.50     4.00     1.63     YES
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L0000014        0   0.15550E-06  465023.6 3767494.2   292.3     3.50     4.00     1.63     YES
L0000015        0   0.15550E-06  465023.6 3767502.8   292.5     3.50     4.00     1.63     YES
L0000016        0   0.15550E-06  465023.6 3767511.4   292.6     3.50     4.00     1.63     YES
L0000017        0   0.15550E-06  465023.6 3767520.0   292.7     3.50     4.00     1.63     YES
L0000018        0   0.15550E-06  465023.6 3767528.6   292.8     3.50     4.00     1.63     YES
L0000019        0   0.15550E-06  465023.6 3767537.1   292.9     3.50     4.00     1.63     YES
L0000020        0   0.15550E-06  465023.6 3767545.7   293.0     3.50     4.00     1.63     YES
L0000021        0   0.15550E-06  465023.6 3767554.3   293.1     3.50     4.00     1.63     YES
L0000022        0   0.15550E-06  465023.6 3767562.9   293.2     3.50     4.00     1.63     YES
L0000070        0   0.75960E-07  465019.1 3767573.5   293.4     3.50     4.00     1.63     YES
L0000071        0   0.75960E-07  465010.5 3767573.5   293.4     3.50     4.00     1.63     YES
L0000072        0   0.75960E-07  465001.9 3767573.6   293.5     3.50     4.00     1.63     YES
L0000073        0   0.75960E-07  464993.3 3767573.6   293.6     3.50     4.00     1.63     YES
L0000074        0   0.75960E-07  464984.7 3767573.6   293.6     3.50     4.00     1.63     YES
L0000075        0   0.75960E-07  464976.1 3767573.7   293.7     3.50     4.00     1.63     YES
L0000076        0   0.75960E-07  464967.5 3767573.7   293.7     3.50     4.00     1.63     YES
L0000077        0   0.75960E-07  464958.9 3767573.8   293.8     3.50     4.00     1.63     YES
L0000078        0   0.75960E-07  464950.3 3767573.8   293.8     3.50     4.00     1.63     YES
L0000079        0   0.75960E-07  464941.7 3767573.9   293.9     3.50     4.00     1.63     YES
L0000080        0   0.75960E-07  464933.1 3767573.9   293.9     3.50     4.00     1.63     YES
L0000081        0   0.75960E-07  464924.6 3767574.0   294.0     3.50     4.00     1.63     YES
L0000082        0   0.75960E-07  464916.0 3767574.0   294.1     3.50     4.00     1.63     YES
L0000083        0   0.75960E-07  464907.4 3767574.1   294.2     3.50     4.00     1.63     YES
L0000084        0   0.75960E-07  464898.8 3767574.1   294.2     3.50     4.00     1.63     YES
L0000085        0   0.75960E-07  464890.2 3767574.2   294.3     3.50     4.00     1.63     YES
L0000086        0   0.75960E-07  464881.6 3767574.2   294.4     3.50     4.00     1.63     YES
L0000087        0   0.75960E-07  464873.0 3767574.3   294.4     3.50     4.00     1.63     YES
L0000088        0   0.75960E-07  464864.4 3767574.3   294.5     3.50     4.00     1.63     YES
L0000089        0   0.75960E-07  464855.8 3767574.4   294.5     3.50     4.00     1.63     YES
L0000090        0   0.75960E-07  464847.2 3767574.4   294.6     3.50     4.00     1.63     YES
L0000091        0   0.75960E-07  464838.6 3767574.5   294.7     3.50     4.00     1.63     YES
L0000092        0   0.75960E-07  464830.1 3767574.5   294.7     3.50     4.00     1.63     YES
L0000093        0   0.75960E-07  464821.5 3767574.6   294.7     3.50     4.00     1.63     YES
L0000094        0   0.75960E-07  464812.9 3767574.6   294.7     3.50     4.00     1.63     YES
L0000095        0   0.75960E-07  464804.3 3767574.7   294.8     3.50     4.00     1.63     YES
L0000096        0   0.75960E-07  464795.7 3767574.7   294.9     3.50     4.00     1.63     YES
L0000097        0   0.75960E-07  464787.1 3767574.8   295.0     3.50     4.00     1.63     YES
L0000098        0   0.75960E-07  464778.5 3767574.8   295.0     3.50     4.00     1.63     YES
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*** VOLUME SOURCE DATA ***

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

L0000099	0	0.75960E-07	464769.9	3767574.9	295.1	3.50	4.00	1.63	YES
L0000100	0	0.75960E-07	464761.3	3767574.9	295.2	3.50	4.00	1.63	YES
L0000101	0	0.75960E-07	464752.7	3767575.0	295.2	3.50	4.00	1.63	YES
L0000102	0	0.75960E-07	464744.2	3767575.0	295.3	3.50	4.00	1.63	YES
L0000103	0	0.75960E-07	464735.6	3767575.1	295.3	3.50	4.00	1.63	YES
L0000104	0	0.75960E-07	464727.0	3767575.1	295.4	3.50	4.00	1.63	YES
L0000105	0	0.75960E-07	464718.4	3767575.2	295.5	3.50	4.00	1.63	YES
L0000106	0	0.75960E-07	464709.8	3767575.2	295.6	3.50	4.00	1.63	YES
L0000107	0	0.75960E-07	464701.2	3767575.3	295.7	3.50	4.00	1.63	YES
L0000108	0	0.75960E-07	464692.6	3767575.3	295.8	3.50	4.00	1.63	YES
L0000109	0	0.75960E-07	464684.0	3767575.4	295.9	3.50	4.00	1.63	YES
L0000110	0	0.75960E-07	464675.4	3767575.4	295.9	3.50	4.00	1.63	YES
L0000111	0	0.75960E-07	464666.8	3767575.5	296.0	3.50	4.00	1.63	YES
L0000112	0	0.75960E-07	464658.2	3767575.5	296.1	3.50	4.00	1.63	YES
L0000113	0	0.75960E-07	464649.7	3767575.6	296.2	3.50	4.00	1.63	YES
L0000114	0	0.75960E-07	464641.1	3767575.6	296.2	3.50	4.00	1.63	YES
L0000115	0	0.75960E-07	464632.5	3767575.7	296.2	3.50	4.00	1.63	YES
L0000116	0	0.75960E-07	464623.9	3767575.7	296.3	3.50	4.00	1.63	YES
L0000171	0	0.75370E-07	465028.1	3767573.6	293.3	3.50	4.00	1.63	YES
L0000172	0	0.75370E-07	465036.6	3767573.7	293.2	3.50	4.00	1.63	YES
L0000173	0	0.75370E-07	465045.2	3767573.7	293.2	3.50	4.00	1.63	YES
L0000174	0	0.75370E-07	465053.8	3767573.8	293.1	3.50	4.00	1.63	YES
L0000175	0	0.75370E-07	465062.4	3767573.8	293.0	3.50	4.00	1.63	YES
L0000176	0	0.75370E-07	465071.0	3767573.9	292.9	3.50	4.00	1.63	YES
L0000177	0	0.75370E-07	465079.6	3767574.0	292.8	3.50	4.00	1.63	YES
L0000178	0	0.75370E-07	465088.2	3767574.0	292.7	3.50	4.00	1.63	YES
L0000179	0	0.75370E-07	465096.8	3767574.1	292.6	3.50	4.00	1.63	YES
L0000180	0	0.75370E-07	465105.4	3767574.2	292.6	3.50	4.00	1.63	YES
L0000181	0	0.75370E-07	465114.0	3767574.2	292.5	3.50	4.00	1.63	YES
L0000182	0	0.75370E-07	465122.5	3767574.3	292.5	3.50	4.00	1.63	YES
L0000183	0	0.75370E-07	465131.1	3767574.3	292.5	3.50	4.00	1.63	YES
L0000184	0	0.75370E-07	465139.7	3767574.4	292.5	3.50	4.00	1.63	YES
L0000185	0	0.75370E-07	465148.3	3767574.5	292.4	3.50	4.00	1.63	YES
L0000186	0	0.75370E-07	465156.9	3767574.5	292.4	3.50	4.00	1.63	YES
L0000187	0	0.75370E-07	465165.5	3767574.6	292.4	3.50	4.00	1.63	YES
L0000188	0	0.75370E-07	465174.1	3767574.6	292.4	3.50	4.00	1.63	YES
L0000189	0	0.75370E-07	465182.7	3767574.7	292.3	3.50	4.00	1.63	YES
L0000190	0	0.75370E-07	465191.3	3767574.8	292.3	3.50	4.00	1.63	YES
L0000191	0	0.75370E-07	465199.9	3767574.8	292.2	3.50	4.00	1.63	YES
L0000192	0	0.75370E-07	465208.5	3767574.9	292.2	3.50	4.00	1.63	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY
L0000193	0	0.75370E-07	465217.0	3767574.9	292.2	3.50	4.00	1.63	YES	
L0000194	0	0.75370E-07	465225.6	3767575.0	292.2	3.50	4.00	1.63	YES	
L0000195	0	0.75370E-07	465234.2	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000196	0	0.75370E-07	465242.8	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000197	0	0.75370E-07	465251.4	3767575.2	292.2	3.50	4.00	1.63	YES	
L0000198	0	0.75370E-07	465260.0	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000199	0	0.75370E-07	465268.6	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000200	0	0.75370E-07	465277.2	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000201	0	0.75370E-07	465285.8	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000202	0	0.75370E-07	465294.4	3767575.5	292.1	3.50	4.00	1.63	YES	
L0000203	0	0.75370E-07	465303.0	3767575.6	292.2	3.50	4.00	1.63	YES	
L0000204	0	0.75370E-07	465311.5	3767575.6	292.4	3.50	4.00	1.63	YES	
L0000205	0	0.75370E-07	465320.1	3767575.7	292.6	3.50	4.00	1.63	YES	
L0000206	0	0.75370E-07	465328.7	3767575.7	292.7	3.50	4.00	1.63	YES	
L0000207	0	0.75370E-07	465337.3	3767575.8	292.9	3.50	4.00	1.63	YES	
L0000208	0	0.75370E-07	465345.9	3767575.9	293.0	3.50	4.00	1.63	YES	
L0000209	0	0.75370E-07	465354.5	3767575.9	293.2	3.50	4.00	1.63	YES	
L0000210	0	0.75370E-07	465363.1	3767576.0	293.4	3.50	4.00	1.63	YES	
L0000211	0	0.75370E-07	465371.7	3767576.0	293.7	3.50	4.00	1.63	YES	
L0000212	0	0.75370E-07	465380.3	3767576.1	294.0	3.50	4.00	1.63	YES	
L0000213	0	0.75370E-07	465388.9	3767576.2	294.4	3.50	4.00	1.63	YES	
L0000214	0	0.75370E-07	465397.4	3767576.2	294.9	3.50	4.00	1.63	YES	
L0000215	0	0.75370E-07	465406.0	3767576.3	295.0	3.50	4.00	1.63	YES	
L0000216	0	0.75370E-07	465414.6	3767576.3	294.9	3.50	4.00	1.63	YES	
L0000217	0	0.75370E-07	465423.2	3767576.4	294.7	3.50	4.00	1.63	YES	
L0000218	0	0.75370E-07	465431.8	3767576.6	294.8	3.50	4.00	1.63	YES	
L0000219	0	0.75370E-07	465440.4	3767576.7	295.0	3.50	4.00	1.63	YES	
L0000220	0	0.75370E-07	465449.0	3767576.5	295.2	3.50	4.00	1.63	YES	
L0000221	0	0.75370E-07	465457.6	3767576.2	295.4	3.50	4.00	1.63	YES	
L0000222	0	0.75370E-07	465466.2	3767576.0	295.4	3.50	4.00	1.63	YES	
L0000223	0	0.75370E-07	465474.7	3767575.7	295.5	3.50	4.00	1.63	YES	
L0000224	0	0.75370E-07	465483.3	3767575.4	295.6	3.50	4.00	1.63	YES	
L0000225	0	0.37640E-06	465036.1	3767513.7	292.5	3.50	4.00	3.25	YES	
L0000226	0	0.37640E-06	465044.7	3767513.7	292.4	3.50	4.00	3.25	YES	
L0000227	0	0.37640E-06	465053.3	3767513.8	292.4	3.50	4.00	3.25	YES	
L0000228	0	0.37640E-06	465061.9	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000229	0	0.37640E-06	465070.5	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000230	0	0.37640E-06	465079.1	3767514.0	292.1	3.50	4.00	3.25	YES	
L0000231	0	0.37640E-06	465087.7	3767514.0	292.0	3.50	4.00	3.25	YES	
L0000232	0	0.37640E-06	465096.3	3767514.1	291.9	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000233	0	0.37640E-06	465104.8	3767514.1	291.9	3.50	4.00	3.25	YES	
L0000234	0	0.37640E-06	465113.4	3767514.2	291.8	3.50	4.00	3.25	YES	
L0000235	0	0.37640E-06	465119.5	3767511.7	291.8	3.50	4.00	3.25	YES	
L0000236	0	0.37640E-06	465119.6	3767503.1	291.7	3.50	4.00	3.25	YES	
L0000237	0	0.37640E-06	465119.8	3767494.6	291.7	3.50	4.00	3.25	YES	
L0000238	0	0.37640E-06	465119.9	3767486.0	291.6	3.50	4.00	3.25	YES	
L0000239	0	0.37640E-06	465120.0	3767477.4	291.5	3.50	4.00	3.25	YES	
L0000240	0	0.37640E-06	465112.9	3767475.8	291.6	3.50	4.00	3.25	YES	
L0000241	0	0.37640E-06	465104.4	3767475.7	291.6	3.50	4.00	3.25	YES	
L0000242	0	0.37640E-06	465095.8	3767475.7	291.7	3.50	4.00	3.25	YES	
L0000243	0	0.37640E-06	465087.2	3767475.6	291.7	3.50	4.00	3.25	YES	
L0000244	0	0.37640E-06	465078.6	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000245	0	0.37640E-06	465070.0	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000246	0	0.37640E-06	465061.4	3767475.4	291.8	3.50	4.00	3.25	YES	
L0000247	0	0.37640E-06	465052.8	3767475.4	291.9	3.50	4.00	3.25	YES	
L0000248	0	0.37640E-06	465044.2	3767475.3	291.9	3.50	4.00	3.25	YES	
L0000249	0	0.37640E-06	465035.6	3767475.2	292.0	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 ,
	L0000020 , L0000021 , L0000022 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 ,
	L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 , L0000081 , L0000082 ,
	L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 ,
	L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
	L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
	L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,

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            L0000115    , L0000116    , L0000171    , L0000172    , L0000173    , L0000174    , L0000175    , L0000176    ,
            L0000177    , L0000178    , L0000179    , L0000180    , L0000181    , L0000182    , L0000183    , L0000184    ,
            L0000185    , L0000186    , L0000187    , L0000188    , L0000189    , L0000190    , L0000191    , L0000192    ,
            L0000193    , L0000194    , L0000195    , L0000196    , L0000197    , L0000198    , L0000199    , L0000200    ,
            L0000201    , L0000202    , L0000203    , L0000204    , L0000205    , L0000206    , L0000207    , L0000208    ,
            L0000209    , L0000210    , L0000211    , L0000212    , L0000213    , L0000214    , L0000215    , L0000216    ,
            L0000217    , L0000218    , L0000219    , L0000220    , L0000221    , L0000222    , L0000223    , L0000224    ,
            L0000225    , L0000226    , L0000227    , L0000228    , L0000229    , L0000230    , L0000231    , L0000232    ,
            L0000233    , L0000234    , L0000235    , L0000236    , L0000237    , L0000238    , L0000239    , L0000240    ,
            L0000241    , L0000242    , L0000243    , L0000244    , L0000245    , L0000246    , L0000247    , L0000248    ,
            L0000249    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                     PAGE   8
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

             2035210.   L0000012    , L0000013    , L0000014    , L0000015    , L0000016    , L0000017    , L0000018    ,
L0000019    ,
            L0000020    , L0000021    , L0000022    , L0000070    , L0000071    , L0000072    , L0000073    , L0000074    ,
            L0000075    , L0000076    , L0000077    , L0000078    , L0000079    , L0000080    , L0000081    , L0000082    ,
            L0000083    , L0000084    , L0000085    , L0000086    , L0000087    , L0000088    , L0000089    , L0000090    ,
            L0000091    , L0000092    , L0000093    , L0000094    , L0000095    , L0000096    , L0000097    , L0000098    ,
            L0000099    , L0000100    , L0000101    , L0000102    , L0000103    , L0000104    , L0000105    , L0000106    ,
            L0000107    , L0000108    , L0000109    , L0000110    , L0000111    , L0000112    , L0000113    , L0000114    ,
            L0000115    , L0000116    , L0000171    , L0000172    , L0000173    , L0000174    , L0000175    , L0000176    ,
```

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           L0000177    , L0000178    , L0000179    , L0000180    , L0000181    , L0000182    , L0000183    , L0000184    ,
           L0000185    , L0000186    , L0000187    , L0000188    , L0000189    , L0000190    , L0000191    , L0000192    ,
           L0000193    , L0000194    , L0000195    , L0000196    , L0000197    , L0000198    , L0000199    , L0000200    ,
           L0000201    , L0000202    , L0000203    , L0000204    , L0000205    , L0000206    , L0000207    , L0000208    ,
           L0000209    , L0000210    , L0000211    , L0000212    , L0000213    , L0000214    , L0000215    , L0000216    ,
           L0000217    , L0000218    , L0000219    , L0000220    , L0000221    , L0000222    , L0000223    , L0000224    ,
           L0000225    , L0000226    , L0000227    , L0000228    , L0000229    , L0000230    , L0000231    , L0000232    ,
           L0000233    , L0000234    , L0000235    , L0000236    , L0000237    , L0000238    , L0000239    , L0000240    ,
           L0000241    , L0000242    , L0000243    , L0000244    , L0000245    , L0000246    , L0000247    , L0000248    ,
           L0000249    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                     PAGE   9
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                    *** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

     464598.6,  464647.5,  464696.4,  464745.3,  464794.3,  464843.2,  464892.1,  464941.0,  464989.9,  465038.8,
     465087.7,  465136.6,  465185.5,  465234.5,  465283.4,  465332.3,  465381.2,  465430.1,  465479.0,  465527.9,
     465576.8,

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

    3767020.6, 3767068.9, 3767117.2, 3767165.5, 3767213.8, 3767262.1, 3767310.4, 3767358.7, 3767407.0, 3767455.3,
    3767503.6, 3767551.9, 3767600.2, 3767648.5, 3767696.8, 3767745.1, 3767793.4, 3767841.7, 3767890.0, 3767938.3,
    3767986.6,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                     PAGE  10
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

                                       * ELEVATION HEIGHTS IN METERS *
```

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	282.50
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	285.40	279.30
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	286.90	279.00
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	278.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70
3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90
3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	294.70	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	292.00	293.80
3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90

3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	285.50	282.40	280.10
3767262.11	289.40	288.70	288.20	286.60	283.40	280.90	279.70	279.50	279.40
3767213.81	287.20	284.70	281.80	279.90	279.50	279.60	279.60	279.50	279.50
3767165.51	280.00	278.90	278.70	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	284.40	288.90	291.90
3767310.41	279.60	283.10	289.80
3767262.11	279.60	279.80	284.20
3767213.81	279.70	279.50	280.30
3767165.51	279.70	279.50	279.60
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	289.10
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	287.40	288.80
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	287.50	288.50
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	288.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70
3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90

3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	298.00	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	297.20	293.80
3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90
3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	287.20	288.20	288.60
3767262.11	289.40	288.70	288.20	286.60	288.40	288.60	288.30	279.50	279.40
3767213.81	287.20	287.90	288.50	288.80	288.40	279.60	279.60	279.50	279.50
3767165.51	289.50	289.30	288.30	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	294.10	292.40	291.90
3767310.41	294.10	293.60	290.90
3767262.11	279.60	292.70	292.80
3767213.81	279.70	292.70	292.80
3767165.51	279.70	279.50	292.70
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
( 464869.8, 3767597.0,     294.7,     294.7,       0.0);         ( 464957.6, 3767607.1,     294.1,     294.1,       0.0);
( 465062.7, 3767601.1,     293.3,     293.3,       0.0);         ( 465104.4, 3767603.5,     292.9,     292.9,       0.0);
( 465156.6, 3767552.1,     292.2,     292.2,       0.0);         ( 465301.5, 3767553.8,     291.7,     291.7,       0.0);
( 465168.8, 3767603.7,     292.6,     292.6,       0.0);         ( 464745.0, 3767602.9,     295.6,     295.6,       0.0);
```


*** 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:   ..\FONT_V9_ADJU\FONT_v9.SFC                                            Met Version:  16216
Profile file:   ..\FONT_V9_ADJU\FONT_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.:     3102                 Upper air station no.:     3190
               Name: UNKNOWN                                    Name: UNKNOWN
```

Year: 2011 Year: 2011

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
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	64.	9.1	277.5	5.5
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82	1.00	0.90	52.	9.1	277.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000070 , L0000071 ,
L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,
L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	0.00036	0.00039	0.00042	0.00046	0.00050	0.00054	0.00057	0.00060	0.00062
3767938.31	0.00040	0.00043	0.00048	0.00053	0.00058	0.00063	0.00067	0.00072	0.00075
3767890.01	0.00044	0.00049	0.00055	0.00061	0.00067	0.00075	0.00081	0.00088	0.00092
3767841.71	0.00050	0.00056	0.00063	0.00071	0.00079	0.00090	0.00099	0.00111	0.00118
3767793.41	0.00056	0.00064	0.00073	0.00083	0.00094	0.00110	0.00126	0.00140	0.00152
3767745.11	0.00064	0.00073	0.00085	0.00098	0.00113	0.00137	0.00160	0.00183	0.00202
3767696.81	0.00073	0.00085	0.00101	0.00121	0.00143	0.00172	0.00207	0.00247	0.00281
3767648.51	0.00083	0.00101	0.00123	0.00148	0.00179	0.00220	0.00274	0.00343	0.00410
3767600.21	0.00100	0.00143	0.00174	0.00207	0.00248	0.00303	0.00385	0.00510	0.00665
3767551.91	0.00108	0.00155	0.00189	0.00228	0.00281	0.00360	0.00489	0.00707	0.01044
3767503.61	0.00107	0.00134	0.00167	0.00209	0.00275	0.00379	0.00558	0.00892	0.01389
3767455.31	0.00110	0.00137	0.00171	0.00218	0.00292	0.00408	0.00608	0.00979	0.01601
3767407.01	0.00114	0.00141	0.00175	0.00224	0.00296	0.00406	0.00584	0.00874	0.01232
3767358.71	0.00116	0.00143	0.00176	0.00222	0.00286	0.00377	0.00508	0.00672	0.00786
3767310.41	0.00117	0.00141	0.00171	0.00211	0.00264	0.00333	0.00417	0.00497	0.00529
3767262.11	0.00115	0.00135	0.00162	0.00195	0.00237	0.00285	0.00335	0.00372	0.00381
3767213.81	0.00111	0.00129	0.00151	0.00178	0.00209	0.00241	0.00269	0.00287	0.00285
3767165.51	0.00108	0.00122	0.00139	0.00160	0.00182	0.00203	0.00219	0.00223	0.00206
3767117.21	0.00103	0.00116	0.00128	0.00144	0.00159	0.00172	0.00180	0.00179	0.00162
3767068.91	0.00097	0.00109	0.00117	0.00128	0.00139	0.00148	0.00154	0.00152	0.00136
3767020.61	0.00091	0.00100	0.00106	0.00115	0.00122	0.00128	0.00131	0.00128	0.00115

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000070 , L0000071 ,
L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,
L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	0.00065	0.00067	0.00070	0.00071	0.00070	0.00076	0.00082	0.00088	0.00093
3767938.31	0.00078	0.00082	0.00086	0.00088	0.00086	0.00094	0.00102	0.00109	0.00115
3767890.01	0.00098	0.00103	0.00108	0.00113	0.00114	0.00122	0.00132	0.00138	0.00141
3767841.71	0.00124	0.00129	0.00137	0.00146	0.00149	0.00160	0.00169	0.00173	0.00172

3767793.41	0.00159	0.00167	0.00180	0.00195	0.00202	0.00213	0.00219	0.00217	0.00207
3767745.11	0.00215	0.00232	0.00256	0.00279	0.00287	0.00289	0.00282	0.00266	0.00243
3767696.81	0.00311	0.00349	0.00390	0.00410	0.00401	0.00382	0.00354	0.00316	0.00274
3767648.51	0.00478	0.00568	0.00625	0.00600	0.00531	0.00466	0.00421	0.00358	0.00292
3767600.21	0.00829	0.01070	0.01056	0.00866	0.00681	0.00541	0.00466	0.00393	0.00326
3767551.91	0.01392	0.02133	0.01578	0.01058	0.00741	0.00548	0.00425	0.00342	0.00294
3767503.61	0.01242	0.02823	0.01763	0.00964	0.00639	0.00462	0.00352	0.00278	0.00229
3767455.31	0.01320	0.01508	0.01068	0.00691	0.00491	0.00369	0.00288	0.00232	0.00192
3767407.01	0.01137	0.00832	0.00622	0.00468	0.00360	0.00286	0.00232	0.00192	0.00162
3767358.71	0.00725	0.00566	0.00438	0.00344	0.00276	0.00226	0.00189	0.00160	0.00135
3767310.41	0.00490	0.00406	0.00329	0.00268	0.00222	0.00184	0.00153	0.00127	0.00109
3767262.11	0.00354	0.00303	0.00255	0.00210	0.00171	0.00143	0.00123	0.00108	0.00095
3767213.81	0.00261	0.00223	0.00187	0.00159	0.00139	0.00122	0.00107	0.00095	0.00085
3767165.51	0.00188	0.00168	0.00150	0.00134	0.00120	0.00107	0.00095	0.00085	0.00077
3767117.21	0.00153	0.00140	0.00126	0.00115	0.00104	0.00094	0.00085	0.00077	0.00070
3767068.91	0.00129	0.00119	0.00109	0.00099	0.00091	0.00084	0.00076	0.00069	0.00063
3767020.61	0.00111	0.00103	0.00094	0.00087	0.00080	0.00074	0.00068	0.00063	0.00058

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000070 , L0000071 ,
L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,
L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	0.00097	0.00099	0.00099
3767938.31	0.00117	0.00117	0.00115
3767890.01	0.00140	0.00137	0.00131
3767841.71	0.00167	0.00158	0.00147
3767793.41	0.00194	0.00178	0.00162
3767745.11	0.00219	0.00196	0.00173
3767696.81	0.00238	0.00206	0.00177
3767648.51	0.00248	0.00206	0.00174
3767600.21	0.00266	0.00203	0.00167
3767551.91	0.00242	0.00186	0.00154
3767503.61	0.00195	0.00162	0.00137
3767455.31	0.00165	0.00140	0.00120
3767407.01	0.00139	0.00121	0.00105
3767358.71	0.00115	0.00105	0.00094

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 3767310.41 |       0.00096      0.00088      0.00083
 3767262.11 |       0.00085      0.00076      0.00072
 3767213.81 |       0.00076      0.00069      0.00063
 3767165.51 |       0.00069      0.00063      0.00057
 3767117.21 |       0.00063      0.00058      0.00053
 3767068.91 |       0.00058      0.00053      0.00049
 3767020.61 |       0.00053      0.00049      0.00046

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                    PAGE  22
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     L0000012    , L0000013    , L0000014    , L0000015    , L0000016    ,
               L0000017    , L0000018    , L0000019    , L0000020    , L0000021    , L0000022    , L0000070    , L0000071    ,
               L0000072    , L0000073    , L0000074    , L0000075    , L0000076    , L0000077    , L0000078    , L0000079    ,
               L0000080    , L0000081    , L0000082    , L0000083    , L0000084    , L0000085    , L0000086    ,  . . .      ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_2.5   IN MICROGRAMS/M**3                      **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       464869.82    3767597.04       0.00356                     464957.59    3767607.14       0.00525
       465062.67    3767601.13       0.00938                     465104.41    3767603.47       0.01051
       465156.60    3767552.06       0.01339                     465301.54    3767553.80       0.00502
       465168.78    3767603.72       0.00909                     464744.95    3767602.86       0.00201

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                    PAGE  23
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                  ** CONC OF PM_2.5   IN MICROGRAMS/M**3                        **

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

ALL       1ST HIGHEST VALUE IS      0.02823 AT (  465087.72,  3767503.61,   291.90,   291.90,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      0.02133 AT (  465087.72,  3767551.91,   292.40,   292.40,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      0.01763 AT (  465136.63,  3767503.61,   291.60,   291.60,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      0.01601 AT (  464989.90,  3767455.31,   291.90,   291.90,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      0.01578 AT (  465136.63,  3767551.91,   292.20,   292.20,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      0.01508 AT (  465087.72,  3767455.31,   291.40,   291.40,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      0.01392 AT (  465038.81,  3767551.91,   293.00,   293.00,    0.00)  GC  UCART1
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         8TH HIGHEST VALUE IS       0.01389 AT (  464989.90,  3767503.61,   292.60,   292.60,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.01339 AT (  465156.60,  3767552.06,   292.24,   292.24,    0.00)  DC
        10TH HIGHEST VALUE IS       0.01320 AT (  465038.81,  3767455.31,   291.60,   291.60,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 1 year  ***        13:50:20
                                                                                                                    PAGE  24
*** 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            9 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 8/23/2022
** File: C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Ave Truck Repair HRA - 1st 14 yrs\19495 Lilac Ave Truck Repair HRA - 1st 14
yrs.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci
   TITLETWO DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 County_of_San_Bernardino
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "19495 Lilac Ave Truck Repair HRA - 1st 14 yrs.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Lilac Avenue from Project Driveway to Jurupa Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.33E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.533, 3767472.715, 292.03, 3.50, 4.00
** 465023.646, 3767569.356, 293.25, 3.50, 4.00
```

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** ----------------------------------------------------------------------
   LOCATION L0000612     VOLUME   465023.538 3767477.010 292.08
   LOCATION L0000613     VOLUME   465023.548 3767485.601 292.21
   LOCATION L0000614     VOLUME   465023.558 3767494.192 292.33
   LOCATION L0000615     VOLUME   465023.568 3767502.783 292.46
   LOCATION L0000616     VOLUME   465023.578 3767511.374 292.58
   LOCATION L0000617     VOLUME   465023.588 3767519.964 292.69
   LOCATION L0000618     VOLUME   465023.598 3767528.555 292.81
   LOCATION L0000619     VOLUME   465023.608 3767537.146 292.92
   LOCATION L0000620     VOLUME   465023.618 3767545.737 293.01
   LOCATION L0000621     VOLUME   465023.628 3767554.328 293.11
   LOCATION L0000622     VOLUME   465023.638 3767562.918 293.21
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Jurupa Avenue west of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.8E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.348, 3767573.427, 293.24, 3.50, 4.00
** 464618.552, 3767575.749, 296.44, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000623     VOLUME   465019.053 3767573.452 293.36
   LOCATION L0000624     VOLUME   465010.462 3767573.501 293.42
   LOCATION L0000625     VOLUME   465001.871 3767573.551 293.49
   LOCATION L0000626     VOLUME   464993.281 3767573.600 293.55
   LOCATION L0000627     VOLUME   464984.690 3767573.649 293.60
   LOCATION L0000628     VOLUME   464976.099 3767573.698 293.65
   LOCATION L0000629     VOLUME   464967.509 3767573.748 293.71
   LOCATION L0000630     VOLUME   464958.918 3767573.797 293.76
   LOCATION L0000631     VOLUME   464950.327 3767573.846 293.82
   LOCATION L0000632     VOLUME   464941.737 3767573.895 293.88
   LOCATION L0000633     VOLUME   464933.146 3767573.945 293.95
   LOCATION L0000634     VOLUME   464924.555 3767573.994 294.03
   LOCATION L0000635     VOLUME   464915.965 3767574.043 294.10
   LOCATION L0000636     VOLUME   464907.374 3767574.092 294.17
   LOCATION L0000637     VOLUME   464898.783 3767574.142 294.24
   LOCATION L0000638     VOLUME   464890.193 3767574.191 294.30
   LOCATION L0000639     VOLUME   464881.602 3767574.240 294.36
   LOCATION L0000640     VOLUME   464873.011 3767574.290 294.41
   LOCATION L0000641     VOLUME   464864.421 3767574.339 294.46
   LOCATION L0000642     VOLUME   464855.830 3767574.388 294.53
   LOCATION L0000643     VOLUME   464847.239 3767574.437 294.59
   LOCATION L0000644     VOLUME   464838.649 3767574.487 294.65
   LOCATION L0000645     VOLUME   464830.058 3767574.536 294.68
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   LOCATION L0000646     VOLUME   464821.467 3767574.585 294.71
   LOCATION L0000647     VOLUME   464812.877 3767574.634 294.73
   LOCATION L0000648     VOLUME   464804.286 3767574.684 294.81
   LOCATION L0000649     VOLUME   464795.695 3767574.733 294.88
   LOCATION L0000650     VOLUME   464787.105 3767574.782 294.96
   LOCATION L0000651     VOLUME   464778.514 3767574.831 295.02
   LOCATION L0000652     VOLUME   464769.923 3767574.881 295.09
   LOCATION L0000653     VOLUME   464761.333 3767574.930 295.16
   LOCATION L0000654     VOLUME   464752.742 3767574.979 295.22
   LOCATION L0000655     VOLUME   464744.151 3767575.029 295.28
   LOCATION L0000656     VOLUME   464735.561 3767575.078 295.34
   LOCATION L0000657     VOLUME   464726.970 3767575.127 295.43
   LOCATION L0000658     VOLUME   464718.379 3767575.176 295.52
   LOCATION L0000659     VOLUME   464709.789 3767575.226 295.61
   LOCATION L0000660     VOLUME   464701.198 3767575.275 295.70
   LOCATION L0000661     VOLUME   464692.607 3767575.324 295.78
   LOCATION L0000662     VOLUME   464684.017 3767575.373 295.87
   LOCATION L0000663     VOLUME   464675.426 3767575.423 295.95
   LOCATION L0000664     VOLUME   464666.836 3767575.472 296.03
   LOCATION L0000665     VOLUME   464658.245 3767575.521 296.11
   LOCATION L0000666     VOLUME   464649.654 3767575.570 296.16
   LOCATION L0000667     VOLUME   464641.064 3767575.620 296.20
   LOCATION L0000668     VOLUME   464632.473 3767575.669 296.24
   LOCATION L0000669     VOLUME   464623.882 3767575.718 296.30
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Jurupa Avenue east of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.19E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 4
** 465023.758, 3767573.575, 293.24, 3.50, 4.00
** 465422.854, 3767576.407, 295.37, 3.50, 4.00
** 465441.910, 3767576.767, 295.30, 3.50, 4.00
** 465484.697, 3767575.328, 295.63, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000670     VOLUME   465028.053 3767573.605 293.30
   LOCATION L0000671     VOLUME   465036.644 3767573.666 293.24
   LOCATION L0000672     VOLUME   465045.234 3767573.727 293.17
   LOCATION L0000673     VOLUME   465053.825 3767573.788 293.07
   LOCATION L0000674     VOLUME   465062.415 3767573.849 292.97
   LOCATION L0000675     VOLUME   465071.006 3767573.910 292.88
   LOCATION L0000676     VOLUME   465079.597 3767573.971 292.80
   LOCATION L0000677     VOLUME   465088.187 3767574.032 292.72
   LOCATION L0000678     VOLUME   465096.778 3767574.093 292.64
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   LOCATION L0000679     VOLUME   465105.368 3767574.154 292.59
   LOCATION L0000680     VOLUME   465113.959 3767574.215 292.53
   LOCATION L0000681     VOLUME   465122.549 3767574.276 292.49
   LOCATION L0000682     VOLUME   465131.140 3767574.337 292.47
   LOCATION L0000683     VOLUME   465139.731 3767574.398 292.46
   LOCATION L0000684     VOLUME   465148.321 3767574.459 292.44
   LOCATION L0000685     VOLUME   465156.912 3767574.520 292.41
   LOCATION L0000686     VOLUME   465165.502 3767574.581 292.38
   LOCATION L0000687     VOLUME   465174.093 3767574.642 292.35
   LOCATION L0000688     VOLUME   465182.684 3767574.703 292.32
   LOCATION L0000689     VOLUME   465191.274 3767574.764 292.28
   LOCATION L0000690     VOLUME   465199.865 3767574.824 292.25
   LOCATION L0000691     VOLUME   465208.455 3767574.885 292.23
   LOCATION L0000692     VOLUME   465217.046 3767574.946 292.22
   LOCATION L0000693     VOLUME   465225.636 3767575.007 292.20
   LOCATION L0000694     VOLUME   465234.227 3767575.068 292.19
   LOCATION L0000695     VOLUME   465242.818 3767575.129 292.18
   LOCATION L0000696     VOLUME   465251.408 3767575.190 292.17
   LOCATION L0000697     VOLUME   465259.999 3767575.251 292.16
   LOCATION L0000698     VOLUME   465268.589 3767575.312 292.15
   LOCATION L0000699     VOLUME   465277.180 3767575.373 292.14
   LOCATION L0000700     VOLUME   465285.771 3767575.434 292.14
   LOCATION L0000701     VOLUME   465294.361 3767575.495 292.14
   LOCATION L0000702     VOLUME   465302.952 3767575.556 292.22
   LOCATION L0000703     VOLUME   465311.542 3767575.617 292.39
   LOCATION L0000704     VOLUME   465320.133 3767575.678 292.56
   LOCATION L0000705     VOLUME   465328.723 3767575.739 292.73
   LOCATION L0000706     VOLUME   465337.314 3767575.800 292.88
   LOCATION L0000707     VOLUME   465345.905 3767575.861 293.03
   LOCATION L0000708     VOLUME   465354.495 3767575.922 293.21
   LOCATION L0000709     VOLUME   465363.086 3767575.983 293.44
   LOCATION L0000710     VOLUME   465371.676 3767576.044 293.67
   LOCATION L0000711     VOLUME   465380.267 3767576.105 293.99
   LOCATION L0000712     VOLUME   465388.858 3767576.166 294.42
   LOCATION L0000713     VOLUME   465397.448 3767576.227 294.85
   LOCATION L0000714     VOLUME   465406.039 3767576.288 295.01
   LOCATION L0000715     VOLUME   465414.629 3767576.349 294.88
   LOCATION L0000716     VOLUME   465423.220 3767576.414 294.74
   LOCATION L0000717     VOLUME   465431.809 3767576.576 294.79
   LOCATION L0000718     VOLUME   465440.398 3767576.738 295.01
   LOCATION L0000719     VOLUME   465448.985 3767576.529 295.22
   LOCATION L0000720     VOLUME   465457.571 3767576.240 295.36
   LOCATION L0000721     VOLUME   465466.157 3767575.952 295.44
   LOCATION L0000722     VOLUME   465474.743 3767575.663 295.53
   LOCATION L0000723     VOLUME   465483.329 3767575.374 295.59
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Project Driveways to Maintenance/Parking Areas
** PREFIX
```

```
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.7E-06
** Vertical Dimension = 7.00
** SZINIT = 3.25
** Nodes = 4
** 465031.823, 3767513.650, 292.44, 3.50, 4.00
** 465119.507, 3767514.249, 291.76, 3.50, 4.00
** 465119.997, 3767475.829, 291.48, 3.50, 4.00
** 465030.970, 3767475.212, 291.91, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000724     VOLUME   465036.118 3767513.680 292.52
   LOCATION L0000725     VOLUME   465044.708 3767513.738 292.45
   LOCATION L0000726     VOLUME   465053.299 3767513.797 292.35
   LOCATION L0000727     VOLUME   465061.890 3767513.855 292.25
   LOCATION L0000728     VOLUME   465070.480 3767513.914 292.15
   LOCATION L0000729     VOLUME   465079.071 3767513.973 292.08
   LOCATION L0000730     VOLUME   465087.661 3767514.031 292.00
   LOCATION L0000731     VOLUME   465096.252 3767514.090 291.94
   LOCATION L0000732     VOLUME   465104.843 3767514.149 291.88
   LOCATION L0000733     VOLUME   465113.433 3767514.207 291.83
   LOCATION L0000734     VOLUME   465119.539 3767511.732 291.78
   LOCATION L0000735     VOLUME   465119.648 3767503.142 291.73
   LOCATION L0000736     VOLUME   465119.758 3767494.552 291.66
   LOCATION L0000737     VOLUME   465119.867 3767485.962 291.59
   LOCATION L0000738     VOLUME   465119.977 3767477.372 291.51
   LOCATION L0000739     VOLUME   465112.949 3767475.780 291.56
   LOCATION L0000740     VOLUME   465104.358 3767475.721 291.62
   LOCATION L0000741     VOLUME   465095.768 3767475.661 291.69
   LOCATION L0000742     VOLUME   465087.177 3767475.602 291.73
   LOCATION L0000743     VOLUME   465078.586 3767475.542 291.76
   LOCATION L0000744     VOLUME   465069.996 3767475.483 291.80
   LOCATION L0000745     VOLUME   465061.405 3767475.423 291.83
   LOCATION L0000746     VOLUME   465052.815 3767475.364 291.87
   LOCATION L0000747     VOLUME   465044.224 3767475.304 291.91
   LOCATION L0000748     VOLUME   465035.633 3767475.245 291.97
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      465034.070  3767475.500      291.980
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      465033.780  3767514.070      292.540
** DESCRSRC Idling Location 2
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000612     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000613     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000614     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000615     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000616     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000617     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000618     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000619     0.0000001209      3.50      4.00      1.63
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   SRCPARAM L0000620     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000621     0.0000001209      3.50      4.00      1.63
   SRCPARAM L0000622     0.0000001209      3.50      4.00      1.63
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000623     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000624     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000625     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000626     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000627     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000628     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000629     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000630     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000631     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000632     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000633     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000634     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000635     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000636     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000637     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000638     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000639     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000640     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000641     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000642     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000643     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000644     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000645     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000646     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000647     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000648     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000649     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000650     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000651     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000652     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000653     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000654     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000655     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000656     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000657     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000658     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000659     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000660     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000661     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000662     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000663     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000664     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000665     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000666     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000667     0.00000005957      3.50      4.00      1.63
   SRCPARAM L0000668     0.00000005957      3.50      4.00      1.63
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   SRCPARAM L0000669     0.00000005957      3.50      4.00      1.63
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000670     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000671     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000672     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000673     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000674     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000675     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000676     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000677     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000678     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000679     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000680     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000681     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000682     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000683     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000684     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000685     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000686     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000687     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000688     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000689     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000690     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000691     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000692     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000693     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000694     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000695     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000696     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000697     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000698     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000699     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000700     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000701     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000702     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000703     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000704     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000705     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000706     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000707     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000708     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000709     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000710     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000711     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000712     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000713     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000714     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000715     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000716     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000717     0.00000005907      3.50      4.00      1.63
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   SRCPARAM L0000718     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000719     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000720     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000721     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000722     0.00000005907      3.50      4.00      1.63
   SRCPARAM L0000723     0.00000005907      3.50      4.00      1.63
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000724     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000725     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000726     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000727     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000728     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000729     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000730     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000731     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000732     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000733     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000734     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000735     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000736     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000737     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000738     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000739     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000740     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000741     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000742     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000743     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000744     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000745     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000746     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000747     0.000000268      3.50      4.00      3.25
   SRCPARAM L0000748     0.000000268      3.50      4.00      3.25
** ----------------------------------------------------------------------
   SRCPARAM STCK1         0.000124     3.500   366.000  51.90000     0.100
   SRCPARAM STCK2         0.000124     3.500   366.000  51.90000     0.100
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "19495 Lilac Ave Truck Repair HRA - 1st 14 yrs.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
```

```
**************************************
**
**
ME STARTING
   SURFFILE ..\FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE ..\FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19495 LILAC AVE TRUCK REPAIR HRA - 1ST 14 YRS.AD\PE00GALL.PLT" 31
   SUMMFILE "19495 Lilac Ave Truck Repair HRA - 1st 14 yrs.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


 *** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
 *** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                      PAGE   1
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*** 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   139 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  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
       TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  PM_2.5

**Model Calculates PERIOD Averages Only

**This Run Includes:    139 Source(s);       1 Source Group(s); and     449 Receptor(s)

              with:      2 POINT(s), including
                         0 POINTCAP(s) and      0 POINTHOR(s)
               and:    137 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 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) =   367.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                            ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

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

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

**Detailed Error/Message File:   19495 Lilac Ave Truck Repair HRA - 1st 14 yrs.err
**File for Summary of Results:   19495 Lilac Ave Truck Repair HRA - 1st 14 yrs.sum

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                    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   0.12400E-03  465034.1 3767475.5   292.0     3.50   366.00    51.90     0.10    NO      YES   NO
STCK2           0   0.12400E-03  465033.8 3767514.1   292.5     3.50   366.00    51.90     0.10    NO      YES   NO

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                    PAGE   3
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                           *** VOLUME SOURCE DATA ***

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

L0000612        0   0.12090E-06  465023.5 3767477.0   292.1     3.50     4.00     1.63     YES
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L0000613	0	0.12090E-06	465023.5	3767485.6	292.2	3.50	4.00	1.63	YES
L0000614	0	0.12090E-06	465023.6	3767494.2	292.3	3.50	4.00	1.63	YES
L0000615	0	0.12090E-06	465023.6	3767502.8	292.5	3.50	4.00	1.63	YES
L0000616	0	0.12090E-06	465023.6	3767511.4	292.6	3.50	4.00	1.63	YES
L0000617	0	0.12090E-06	465023.6	3767520.0	292.7	3.50	4.00	1.63	YES
L0000618	0	0.12090E-06	465023.6	3767528.6	292.8	3.50	4.00	1.63	YES
L0000619	0	0.12090E-06	465023.6	3767537.1	292.9	3.50	4.00	1.63	YES
L0000620	0	0.12090E-06	465023.6	3767545.7	293.0	3.50	4.00	1.63	YES
L0000621	0	0.12090E-06	465023.6	3767554.3	293.1	3.50	4.00	1.63	YES
L0000622	0	0.12090E-06	465023.6	3767562.9	293.2	3.50	4.00	1.63	YES
L0000623	0	0.59570E-07	465019.1	3767573.5	293.4	3.50	4.00	1.63	YES
L0000624	0	0.59570E-07	465010.5	3767573.5	293.4	3.50	4.00	1.63	YES
L0000625	0	0.59570E-07	465001.9	3767573.6	293.5	3.50	4.00	1.63	YES
L0000626	0	0.59570E-07	464993.3	3767573.6	293.6	3.50	4.00	1.63	YES
L0000627	0	0.59570E-07	464984.7	3767573.6	293.6	3.50	4.00	1.63	YES
L0000628	0	0.59570E-07	464976.1	3767573.7	293.7	3.50	4.00	1.63	YES
L0000629	0	0.59570E-07	464967.5	3767573.7	293.7	3.50	4.00	1.63	YES
L0000630	0	0.59570E-07	464958.9	3767573.8	293.8	3.50	4.00	1.63	YES
L0000631	0	0.59570E-07	464950.3	3767573.8	293.8	3.50	4.00	1.63	YES
L0000632	0	0.59570E-07	464941.7	3767573.9	293.9	3.50	4.00	1.63	YES
L0000633	0	0.59570E-07	464933.1	3767573.9	293.9	3.50	4.00	1.63	YES
L0000634	0	0.59570E-07	464924.6	3767574.0	294.0	3.50	4.00	1.63	YES
L0000635	0	0.59570E-07	464916.0	3767574.0	294.1	3.50	4.00	1.63	YES
L0000636	0	0.59570E-07	464907.4	3767574.1	294.2	3.50	4.00	1.63	YES
L0000637	0	0.59570E-07	464898.8	3767574.1	294.2	3.50	4.00	1.63	YES
L0000638	0	0.59570E-07	464890.2	3767574.2	294.3	3.50	4.00	1.63	YES
L0000639	0	0.59570E-07	464881.6	3767574.2	294.4	3.50	4.00	1.63	YES
L0000640	0	0.59570E-07	464873.0	3767574.3	294.4	3.50	4.00	1.63	YES
L0000641	0	0.59570E-07	464864.4	3767574.3	294.5	3.50	4.00	1.63	YES
L0000642	0	0.59570E-07	464855.8	3767574.4	294.5	3.50	4.00	1.63	YES
L0000643	0	0.59570E-07	464847.2	3767574.4	294.6	3.50	4.00	1.63	YES
L0000644	0	0.59570E-07	464838.6	3767574.5	294.7	3.50	4.00	1.63	YES
L0000645	0	0.59570E-07	464830.1	3767574.5	294.7	3.50	4.00	1.63	YES
L0000646	0	0.59570E-07	464821.5	3767574.6	294.7	3.50	4.00	1.63	YES
L0000647	0	0.59570E-07	464812.9	3767574.6	294.7	3.50	4.00	1.63	YES
L0000648	0	0.59570E-07	464804.3	3767574.7	294.8	3.50	4.00	1.63	YES
L0000649	0	0.59570E-07	464795.7	3767574.7	294.9	3.50	4.00	1.63	YES
L0000650	0	0.59570E-07	464787.1	3767574.8	295.0	3.50	4.00	1.63	YES
L0000651	0	0.59570E-07	464778.5	3767574.8	295.0	3.50	4.00	1.63	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

- -

L0000652	0	0.59570E-07	464769.9	3767574.9	295.1	3.50	4.00	1.63	YES
L0000653	0	0.59570E-07	464761.3	3767574.9	295.2	3.50	4.00	1.63	YES
L0000654	0	0.59570E-07	464752.7	3767575.0	295.2	3.50	4.00	1.63	YES
L0000655	0	0.59570E-07	464744.2	3767575.0	295.3	3.50	4.00	1.63	YES
L0000656	0	0.59570E-07	464735.6	3767575.1	295.3	3.50	4.00	1.63	YES
L0000657	0	0.59570E-07	464727.0	3767575.1	295.4	3.50	4.00	1.63	YES
L0000658	0	0.59570E-07	464718.4	3767575.2	295.5	3.50	4.00	1.63	YES
L0000659	0	0.59570E-07	464709.8	3767575.2	295.6	3.50	4.00	1.63	YES
L0000660	0	0.59570E-07	464701.2	3767575.3	295.7	3.50	4.00	1.63	YES
L0000661	0	0.59570E-07	464692.6	3767575.3	295.8	3.50	4.00	1.63	YES
L0000662	0	0.59570E-07	464684.0	3767575.4	295.9	3.50	4.00	1.63	YES
L0000663	0	0.59570E-07	464675.4	3767575.4	295.9	3.50	4.00	1.63	YES
L0000664	0	0.59570E-07	464666.8	3767575.5	296.0	3.50	4.00	1.63	YES
L0000665	0	0.59570E-07	464658.2	3767575.5	296.1	3.50	4.00	1.63	YES
L0000666	0	0.59570E-07	464649.7	3767575.6	296.2	3.50	4.00	1.63	YES
L0000667	0	0.59570E-07	464641.1	3767575.6	296.2	3.50	4.00	1.63	YES
L0000668	0	0.59570E-07	464632.5	3767575.7	296.2	3.50	4.00	1.63	YES
L0000669	0	0.59570E-07	464623.9	3767575.7	296.3	3.50	4.00	1.63	YES
L0000670	0	0.59070E-07	465028.1	3767573.6	293.3	3.50	4.00	1.63	YES
L0000671	0	0.59070E-07	465036.6	3767573.7	293.2	3.50	4.00	1.63	YES
L0000672	0	0.59070E-07	465045.2	3767573.7	293.2	3.50	4.00	1.63	YES
L0000673	0	0.59070E-07	465053.8	3767573.8	293.1	3.50	4.00	1.63	YES
L0000674	0	0.59070E-07	465062.4	3767573.8	293.0	3.50	4.00	1.63	YES
L0000675	0	0.59070E-07	465071.0	3767573.9	292.9	3.50	4.00	1.63	YES
L0000676	0	0.59070E-07	465079.6	3767574.0	292.8	3.50	4.00	1.63	YES
L0000677	0	0.59070E-07	465088.2	3767574.0	292.7	3.50	4.00	1.63	YES
L0000678	0	0.59070E-07	465096.8	3767574.1	292.6	3.50	4.00	1.63	YES
L0000679	0	0.59070E-07	465105.4	3767574.2	292.6	3.50	4.00	1.63	YES
L0000680	0	0.59070E-07	465114.0	3767574.2	292.5	3.50	4.00	1.63	YES
L0000681	0	0.59070E-07	465122.5	3767574.3	292.5	3.50	4.00	1.63	YES
L0000682	0	0.59070E-07	465131.1	3767574.3	292.5	3.50	4.00	1.63	YES
L0000683	0	0.59070E-07	465139.7	3767574.4	292.5	3.50	4.00	1.63	YES
L0000684	0	0.59070E-07	465148.3	3767574.5	292.4	3.50	4.00	1.63	YES
L0000685	0	0.59070E-07	465156.9	3767574.5	292.4	3.50	4.00	1.63	YES
L0000686	0	0.59070E-07	465165.5	3767574.6	292.4	3.50	4.00	1.63	YES
L0000687	0	0.59070E-07	465174.1	3767574.6	292.4	3.50	4.00	1.63	YES
L0000688	0	0.59070E-07	465182.7	3767574.7	292.3	3.50	4.00	1.63	YES
L0000689	0	0.59070E-07	465191.3	3767574.8	292.3	3.50	4.00	1.63	YES
L0000690	0	0.59070E-07	465199.9	3767574.8	292.2	3.50	4.00	1.63	YES
L0000691	0	0.59070E-07	465208.5	3767574.9	292.2	3.50	4.00	1.63	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000692	0	0.59070E-07	465217.0	3767574.9	292.2	3.50	4.00	1.63	YES	
L0000693	0	0.59070E-07	465225.6	3767575.0	292.2	3.50	4.00	1.63	YES	
L0000694	0	0.59070E-07	465234.2	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000695	0	0.59070E-07	465242.8	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000696	0	0.59070E-07	465251.4	3767575.2	292.2	3.50	4.00	1.63	YES	
L0000697	0	0.59070E-07	465260.0	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000698	0	0.59070E-07	465268.6	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000699	0	0.59070E-07	465277.2	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000700	0	0.59070E-07	465285.8	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000701	0	0.59070E-07	465294.4	3767575.5	292.1	3.50	4.00	1.63	YES	
L0000702	0	0.59070E-07	465303.0	3767575.6	292.2	3.50	4.00	1.63	YES	
L0000703	0	0.59070E-07	465311.5	3767575.6	292.4	3.50	4.00	1.63	YES	
L0000704	0	0.59070E-07	465320.1	3767575.7	292.6	3.50	4.00	1.63	YES	
L0000705	0	0.59070E-07	465328.7	3767575.7	292.7	3.50	4.00	1.63	YES	
L0000706	0	0.59070E-07	465337.3	3767575.8	292.9	3.50	4.00	1.63	YES	
L0000707	0	0.59070E-07	465345.9	3767575.9	293.0	3.50	4.00	1.63	YES	
L0000708	0	0.59070E-07	465354.5	3767575.9	293.2	3.50	4.00	1.63	YES	
L0000709	0	0.59070E-07	465363.1	3767576.0	293.4	3.50	4.00	1.63	YES	
L0000710	0	0.59070E-07	465371.7	3767576.0	293.7	3.50	4.00	1.63	YES	
L0000711	0	0.59070E-07	465380.3	3767576.1	294.0	3.50	4.00	1.63	YES	
L0000712	0	0.59070E-07	465388.9	3767576.2	294.4	3.50	4.00	1.63	YES	
L0000713	0	0.59070E-07	465397.4	3767576.2	294.9	3.50	4.00	1.63	YES	
L0000714	0	0.59070E-07	465406.0	3767576.3	295.0	3.50	4.00	1.63	YES	
L0000715	0	0.59070E-07	465414.6	3767576.3	294.9	3.50	4.00	1.63	YES	
L0000716	0	0.59070E-07	465423.2	3767576.4	294.7	3.50	4.00	1.63	YES	
L0000717	0	0.59070E-07	465431.8	3767576.6	294.8	3.50	4.00	1.63	YES	
L0000718	0	0.59070E-07	465440.4	3767576.7	295.0	3.50	4.00	1.63	YES	
L0000719	0	0.59070E-07	465449.0	3767576.5	295.2	3.50	4.00	1.63	YES	
L0000720	0	0.59070E-07	465457.6	3767576.2	295.4	3.50	4.00	1.63	YES	
L0000721	0	0.59070E-07	465466.2	3767576.0	295.4	3.50	4.00	1.63	YES	
L0000722	0	0.59070E-07	465474.7	3767575.7	295.5	3.50	4.00	1.63	YES	
L0000723	0	0.59070E-07	465483.3	3767575.4	295.6	3.50	4.00	1.63	YES	
L0000724	0	0.26800E-06	465036.1	3767513.7	292.5	3.50	4.00	3.25	YES	
L0000725	0	0.26800E-06	465044.7	3767513.7	292.4	3.50	4.00	3.25	YES	
L0000726	0	0.26800E-06	465053.3	3767513.8	292.4	3.50	4.00	3.25	YES	
L0000727	0	0.26800E-06	465061.9	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000728	0	0.26800E-06	465070.5	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000729	0	0.26800E-06	465079.1	3767514.0	292.1	3.50	4.00	3.25	YES	
L0000730	0	0.26800E-06	465087.7	3767514.0	292.0	3.50	4.00	3.25	YES	
L0000731	0	0.26800E-06	465096.3	3767514.1	291.9	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000732	0	0.26800E-06	465104.8	3767514.1	291.9	3.50	4.00	3.25	YES	
L0000733	0	0.26800E-06	465113.4	3767514.2	291.8	3.50	4.00	3.25	YES	
L0000734	0	0.26800E-06	465119.5	3767511.7	291.8	3.50	4.00	3.25	YES	
L0000735	0	0.26800E-06	465119.6	3767503.1	291.7	3.50	4.00	3.25	YES	
L0000736	0	0.26800E-06	465119.8	3767494.6	291.7	3.50	4.00	3.25	YES	
L0000737	0	0.26800E-06	465119.9	3767486.0	291.6	3.50	4.00	3.25	YES	
L0000738	0	0.26800E-06	465120.0	3767477.4	291.5	3.50	4.00	3.25	YES	
L0000739	0	0.26800E-06	465112.9	3767475.8	291.6	3.50	4.00	3.25	YES	
L0000740	0	0.26800E-06	465104.4	3767475.7	291.6	3.50	4.00	3.25	YES	
L0000741	0	0.26800E-06	465095.8	3767475.7	291.7	3.50	4.00	3.25	YES	
L0000742	0	0.26800E-06	465087.2	3767475.6	291.7	3.50	4.00	3.25	YES	
L0000743	0	0.26800E-06	465078.6	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000744	0	0.26800E-06	465070.0	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000745	0	0.26800E-06	465061.4	3767475.4	291.8	3.50	4.00	3.25	YES	
L0000746	0	0.26800E-06	465052.8	3767475.4	291.9	3.50	4.00	3.25	YES	
L0000747	0	0.26800E-06	465044.2	3767475.3	291.9	3.50	4.00	3.25	YES	
L0000748	0	0.26800E-06	465035.6	3767475.2	292.0	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 ,
	L0000620 , L0000621 , L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 ,
	L0000628 , L0000629 , L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 ,
	L0000636 , L0000637 , L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
	L0000644 , L0000645 , L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
	L0000652 , L0000653 , L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
	L0000660 , L0000661 , L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 ,

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            L0000668    , L0000669    , L0000670    , L0000671    , L0000672    , L0000673    , L0000674    , L0000675    ,
            L0000676    , L0000677    , L0000678    , L0000679    , L0000680    , L0000681    , L0000682    , L0000683    ,
            L0000684    , L0000685    , L0000686    , L0000687    , L0000688    , L0000689    , L0000690    , L0000691    ,
            L0000692    , L0000693    , L0000694    , L0000695    , L0000696    , L0000697    , L0000698    , L0000699    ,
            L0000700    , L0000701    , L0000702    , L0000703    , L0000704    , L0000705    , L0000706    , L0000707    ,
            L0000708    , L0000709    , L0000710    , L0000711    , L0000712    , L0000713    , L0000714    , L0000715    ,
            L0000716    , L0000717    , L0000718    , L0000719    , L0000720    , L0000721    , L0000722    , L0000723    ,
            L0000724    , L0000725    , L0000726    , L0000727    , L0000728    , L0000729    , L0000730    , L0000731    ,
            L0000732    , L0000733    , L0000734    , L0000735    , L0000736    , L0000737    , L0000738    , L0000739    ,
            L0000740    , L0000741    , L0000742    , L0000743    , L0000744    , L0000745    , L0000746    , L0000747    ,
            L0000748    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 URBAN ID   URBAN POP                                SOURCE IDs
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             2035210.   L0000612    , L0000613    , L0000614    , L0000615    , L0000616    , L0000617    , L0000618    ,
L0000619    ,
            L0000620    , L0000621    , L0000622    , L0000623    , L0000624    , L0000625    , L0000626    , L0000627    ,
            L0000628    , L0000629    , L0000630    , L0000631    , L0000632    , L0000633    , L0000634    , L0000635    ,
            L0000636    , L0000637    , L0000638    , L0000639    , L0000640    , L0000641    , L0000642    , L0000643    ,
            L0000644    , L0000645    , L0000646    , L0000647    , L0000648    , L0000649    , L0000650    , L0000651    ,
            L0000652    , L0000653    , L0000654    , L0000655    , L0000656    , L0000657    , L0000658    , L0000659    ,
            L0000660    , L0000661    , L0000662    , L0000663    , L0000664    , L0000665    , L0000666    , L0000667    ,
            L0000668    , L0000669    , L0000670    , L0000671    , L0000672    , L0000673    , L0000674    , L0000675    ,
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           L0000676    , L0000677    , L0000678    , L0000679    , L0000680    , L0000681    , L0000682    , L0000683    ,
           L0000684    , L0000685    , L0000686    , L0000687    , L0000688    , L0000689    , L0000690    , L0000691    ,
           L0000692    , L0000693    , L0000694    , L0000695    , L0000696    , L0000697    , L0000698    , L0000699    ,
           L0000700    , L0000701    , L0000702    , L0000703    , L0000704    , L0000705    , L0000706    , L0000707    ,
           L0000708    , L0000709    , L0000710    , L0000711    , L0000712    , L0000713    , L0000714    , L0000715    ,
           L0000716    , L0000717    , L0000718    , L0000719    , L0000720    , L0000721    , L0000722    , L0000723    ,
           L0000724    , L0000725    , L0000726    , L0000727    , L0000728    , L0000729    , L0000730    , L0000731    ,
           L0000732    , L0000733    , L0000734    , L0000735    , L0000736    , L0000737    , L0000738    , L0000739    ,
           L0000740    , L0000741    , L0000742    , L0000743    , L0000744    , L0000745    , L0000746    , L0000747    ,
           L0000748    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                     PAGE   9
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                    *** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

      464598.6,  464647.5,  464696.4,  464745.3,  464794.3,  464843.2,  464892.1,  464941.0,  464989.9,  465038.8,
      465087.7,  465136.6,  465185.5,  465234.5,  465283.4,  465332.3,  465381.2,  465430.1,  465479.0,  465527.9,
      465576.8,

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

     3767020.6, 3767068.9, 3767117.2, 3767165.5, 3767213.8, 3767262.1, 3767310.4, 3767358.7, 3767407.0, 3767455.3,
     3767503.6, 3767551.9, 3767600.2, 3767648.5, 3767696.8, 3767745.1, 3767793.4, 3767841.7, 3767890.0, 3767938.3,
     3767986.6,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***
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* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	282.50
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	285.40	279.30
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	286.90	279.00
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	278.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70
3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90
3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	294.70	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	292.00	293.80

3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90
3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	285.50	282.40	280.10
3767262.11	289.40	288.70	288.20	286.60	283.40	280.90	279.70	279.50	279.40
3767213.81	287.20	284.70	281.80	279.90	279.50	279.60	279.60	279.50	279.50
3767165.51	280.00	278.90	278.70	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	284.40	288.90	291.90
3767310.41	279.60	283.10	289.80
3767262.11	279.60	279.80	284.20
3767213.81	279.70	279.50	280.30
3767165.51	279.70	279.50	279.60
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	289.10
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	287.40	288.80
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	287.50	288.50
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	288.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70

3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90
3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	298.00	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	297.20	293.80
3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90
3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	287.20	288.20	288.60
3767262.11	289.40	288.70	288.20	286.60	288.40	288.60	288.30	279.50	279.40
3767213.81	287.20	287.90	288.50	288.80	288.40	279.60	279.60	279.50	279.50
3767165.51	289.50	289.30	288.30	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	294.10	292.40	291.90
3767310.41	294.10	293.60	290.90
3767262.11	279.60	292.70	292.80
3767213.81	279.70	292.70	292.80
3767165.51	279.70	279.50	292.70
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

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*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                      PAGE  16
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

    ( 464869.8, 3767597.0,     294.7,     294.7,       0.0);         ( 464957.6, 3767607.1,     294.1,     294.1,       0.0);
    ( 465062.7, 3767601.1,     293.3,     293.3,       0.0);         ( 465104.4, 3767603.5,     292.9,     292.9,       0.0);
    ( 465156.6, 3767552.1,     292.2,     292.2,       0.0);         ( 465301.5, 3767553.8,     291.7,     291.7,       0.0);
    ( 465168.8, 3767603.7,     292.6,     292.6,       0.0);         ( 464745.0, 3767602.9,     295.6,     295.6,       0.0);

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                      PAGE  17
*** 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,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                      PAGE  18
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   ..\FONT_V9_ADJU\FONT_v9.SFC                                                    Met Version:  16216
  Profile file:   ..\FONT_V9_ADJU\FONT_v9.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:     3102                  Upper air station no.:     3190
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Name: UNKNOWN
Year: 2011

Name: UNKNOWN
Year: 2011

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
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	64.	9.1	277.5	5.5
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82	1.00	0.90	52.	9.1	277.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000612 , L0000613 , L0000614 , L0000615 , L0000616 ,
L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 , L0000624 ,
L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 , L0000632 ,
L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	0.00034	0.00037	0.00040	0.00044	0.00048	0.00052	0.00054	0.00057	0.00060
3767938.31	0.00038	0.00042	0.00046	0.00050	0.00055	0.00060	0.00065	0.00069	0.00072
3767890.01	0.00042	0.00047	0.00052	0.00059	0.00064	0.00071	0.00078	0.00084	0.00088
3767841.71	0.00048	0.00053	0.00060	0.00068	0.00076	0.00086	0.00095	0.00106	0.00113
3767793.41	0.00054	0.00061	0.00070	0.00079	0.00090	0.00105	0.00120	0.00134	0.00145
3767745.11	0.00061	0.00070	0.00081	0.00094	0.00108	0.00130	0.00153	0.00175	0.00193
3767696.81	0.00069	0.00080	0.00095	0.00114	0.00136	0.00164	0.00197	0.00236	0.00268
3767648.51	0.00079	0.00095	0.00116	0.00139	0.00169	0.00209	0.00260	0.00327	0.00391
3767600.21	0.00093	0.00130	0.00158	0.00190	0.00229	0.00282	0.00361	0.00481	0.00628
3767551.91	0.00101	0.00141	0.00173	0.00210	0.00261	0.00337	0.00462	0.00671	0.00989
3767503.61	0.00101	0.00127	0.00158	0.00199	0.00263	0.00363	0.00537	0.00860	0.01328
3767455.31	0.00105	0.00131	0.00164	0.00209	0.00281	0.00394	0.00589	0.00949	0.01547
3767407.01	0.00109	0.00136	0.00169	0.00216	0.00287	0.00393	0.00567	0.00849	0.01196
3767358.71	0.00112	0.00138	0.00170	0.00214	0.00277	0.00366	0.00494	0.00653	0.00763
3767310.41	0.00113	0.00136	0.00165	0.00204	0.00256	0.00324	0.00405	0.00483	0.00514
3767262.11	0.00111	0.00131	0.00157	0.00190	0.00230	0.00277	0.00326	0.00362	0.00369
3767213.81	0.00108	0.00125	0.00147	0.00173	0.00203	0.00234	0.00262	0.00279	0.00277
3767165.51	0.00104	0.00119	0.00135	0.00156	0.00177	0.00198	0.00213	0.00217	0.00200
3767117.21	0.00100	0.00112	0.00124	0.00139	0.00155	0.00167	0.00175	0.00174	0.00157
3767068.91	0.00095	0.00106	0.00114	0.00125	0.00135	0.00144	0.00149	0.00148	0.00131
3767020.61	0.00088	0.00097	0.00103	0.00111	0.00119	0.00125	0.00127	0.00125	0.00112

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000612 , L0000613 , L0000614 , L0000615 , L0000616 ,
L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 , L0000624 ,
L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 , L0000632 ,
L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	0.00062	0.00065	0.00067	0.00068	0.00067	0.00073	0.00079	0.00085	0.00090
3767938.31	0.00075	0.00078	0.00083	0.00084	0.00083	0.00091	0.00099	0.00106	0.00111
3767890.01	0.00094	0.00099	0.00103	0.00108	0.00109	0.00118	0.00127	0.00133	0.00136

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 3767841.71 |       0.00118      0.00123      0.00132      0.00141      0.00144      0.00154      0.00164      0.00167      0.00166
 3767793.41 |       0.00152      0.00160      0.00173      0.00188      0.00194      0.00206      0.00212      0.00209      0.00200
 3767745.11 |       0.00206      0.00222      0.00246      0.00268      0.00277      0.00279      0.00272      0.00256      0.00234
 3767696.81 |       0.00297      0.00334      0.00375      0.00395      0.00387      0.00369      0.00341      0.00304      0.00263
 3767648.51 |       0.00456      0.00544      0.00601      0.00578      0.00510      0.00448      0.00404      0.00343      0.00280
 3767600.21 |       0.00785      0.01022      0.01009      0.00827      0.00648      0.00513      0.00441      0.00371      0.00306
 3767551.91 |       0.01299      0.02033      0.01501      0.01007      0.00705      0.00520      0.00402      0.00322      0.00276
 3767503.61 |       0.01078      0.02604      0.01629      0.00918      0.00612      0.00443      0.00337      0.00266      0.00219
 3767455.31 |       0.01226      0.01394      0.01000      0.00659      0.00471      0.00354      0.00277      0.00223      0.00185
 3767407.01 |       0.01096      0.00793      0.00592      0.00447      0.00345      0.00274      0.00223      0.00185      0.00155
 3767358.71 |       0.00701      0.00545      0.00420      0.00330      0.00265      0.00217      0.00181      0.00153      0.00130
 3767310.41 |       0.00474      0.00392      0.00317      0.00258      0.00213      0.00176      0.00147      0.00122      0.00104
 3767262.11 |       0.00342      0.00293      0.00246      0.00202      0.00165      0.00137      0.00118      0.00103      0.00091
 3767213.81 |       0.00252      0.00216      0.00181      0.00154      0.00133      0.00117      0.00103      0.00092      0.00082
 3767165.51 |       0.00182      0.00163      0.00145      0.00129      0.00115      0.00103      0.00092      0.00082      0.00074
 3767117.21 |       0.00148      0.00136      0.00122      0.00111      0.00100      0.00091      0.00082      0.00074      0.00067
 3767068.91 |       0.00125      0.00115      0.00105      0.00096      0.00088      0.00080      0.00073      0.00067      0.00061
 3767020.61 |       0.00107      0.00100      0.00091      0.00084      0.00077      0.00072      0.00066      0.00061      0.00056

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                     PAGE  21
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     L0000612    , L0000613    , L0000614    , L0000615    , L0000616    ,
               L0000617    , L0000618    , L0000619    , L0000620    , L0000621    , L0000622    , L0000623    , L0000624    ,
               L0000625    , L0000626    , L0000627    , L0000628    , L0000629    , L0000630    , L0000631    , L0000632    ,
               L0000633    , L0000634    , L0000635    , L0000636    , L0000637    , L0000638    , L0000639    ,  . . .      ,

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

                                   ** CONC OF PM_2.5   IN MICROGRAMS/M**3                        **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     465479.00    465527.91    465576.82
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767986.61 |       0.00094      0.00096      0.00096
 3767938.31 |       0.00113      0.00113      0.00111
 3767890.01 |       0.00136      0.00133      0.00127
 3767841.71 |       0.00161      0.00153      0.00142
 3767793.41 |       0.00188      0.00172      0.00157
 3767745.11 |       0.00212      0.00189      0.00167
 3767696.81 |       0.00229      0.00198      0.00171
 3767648.51 |       0.00238      0.00198      0.00168
 3767600.21 |       0.00250      0.00195      0.00161
 3767551.91 |       0.00228      0.00178      0.00148
 3767503.61 |       0.00187      0.00156      0.00132
 3767455.31 |       0.00158      0.00134      0.00116
 3767407.01 |       0.00134      0.00117      0.00102
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 3767358.71 |       0.00110      0.00101      0.00090
 3767310.41 |       0.00092      0.00085      0.00080
 3767262.11 |       0.00082      0.00073      0.00069
 3767213.81 |       0.00074      0.00066      0.00061
 3767165.51 |       0.00067      0.00060      0.00055
 3767117.21 |       0.00061      0.00055      0.00051
 3767068.91 |       0.00056      0.00051      0.00047
 3767020.61 |       0.00051      0.00047      0.00044
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000612   , L0000613   , L0000614   , L0000615   , L0000616   ,
L0000617   , L0000618   , L0000619   , L0000620   , L0000621   , L0000622   , L0000623   , L0000624   ,
L0000625   , L0000626   , L0000627   , L0000628   , L0000629   , L0000630   , L0000631   , L0000632   ,
L0000633   , L0000634   , L0000635   , L0000636   , L0000637   , L0000638   , L0000639   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464869.82	3767597.04	0.00332	464957.59	3767607.14	0.00497
465062.67	3767601.13	0.00892	465104.41	3767603.47	0.01005
465156.60	3767552.06	0.01274	465301.54	3767553.80	0.00474
465168.78	3767603.72	0.00869	464744.95	3767602.86	0.00184

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

** CONC OF PM_2.5   IN MICROGRAMS/M**3   **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02604	AT (465087.72, 3767503.61, 291.90, 291.90, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.02033	AT (465087.72, 3767551.91, 292.40, 292.40, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.01629	AT (465136.63, 3767503.61, 291.60, 291.60, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01547	AT (464989.90, 3767455.31, 291.90, 291.90, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01501	AT (465136.63, 3767551.91, 292.20, 292.20, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01394	AT (465087.72, 3767455.31, 291.40, 291.40, 0.00)	GC	UCART1

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         7TH HIGHEST VALUE IS       0.01328 AT (  464989.90,  3767503.61,   292.60,   292.60,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.01299 AT (  465038.81,  3767551.91,   293.00,   293.00,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.01274 AT (  465156.60,  3767552.06,   292.24,   292.24,    0.00)  DC
        10TH HIGHEST VALUE IS       0.01226 AT (  465038.81,  3767455.31,   291.60,   291.60,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 1st 14 yrs ***        17:28:33
                                                                                                                    PAGE  24
*** 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            9 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 8/23/2022
** File: C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Ave Truck Repair HRA - 2nd 14 yrs\19495 Lilac Ave Truck Repair HRA - 2nd 14
yrs.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci
   TITLETWO DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 Count_of_San_Bernardino
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "19495 Lilac Ave Truck Repair HRA - 2nd 14 yrs.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Lilac Avenue from Project Driveway to Jurupa Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.29E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.533, 3767472.715, 292.03, 3.50, 4.00
** 465023.646, 3767569.356, 293.25, 3.50, 4.00
```

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** ----------------------------------------------------------------------
   LOCATION L0000749     VOLUME   465023.538 3767477.010 292.08
   LOCATION L0000750     VOLUME   465023.548 3767485.601 292.21
   LOCATION L0000751     VOLUME   465023.558 3767494.192 292.33
   LOCATION L0000752     VOLUME   465023.568 3767502.783 292.46
   LOCATION L0000753     VOLUME   465023.578 3767511.374 292.58
   LOCATION L0000754     VOLUME   465023.588 3767519.964 292.69
   LOCATION L0000755     VOLUME   465023.598 3767528.555 292.81
   LOCATION L0000756     VOLUME   465023.608 3767537.146 292.92
   LOCATION L0000757     VOLUME   465023.618 3767545.737 293.01
   LOCATION L0000758     VOLUME   465023.628 3767554.328 293.11
   LOCATION L0000759     VOLUME   465023.638 3767562.918 293.21
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Jurupa Avenue west of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.7E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.348, 3767573.427, 293.24, 3.50, 4.00
** 464618.552, 3767575.749, 296.44, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000760     VOLUME   465019.053 3767573.452 293.36
   LOCATION L0000761     VOLUME   465010.462 3767573.501 293.42
   LOCATION L0000762     VOLUME   465001.871 3767573.551 293.49
   LOCATION L0000763     VOLUME   464993.281 3767573.600 293.55
   LOCATION L0000764     VOLUME   464984.690 3767573.649 293.60
   LOCATION L0000765     VOLUME   464976.099 3767573.698 293.65
   LOCATION L0000766     VOLUME   464967.509 3767573.748 293.71
   LOCATION L0000767     VOLUME   464958.918 3767573.797 293.76
   LOCATION L0000768     VOLUME   464950.327 3767573.846 293.82
   LOCATION L0000769     VOLUME   464941.737 3767573.895 293.88
   LOCATION L0000770     VOLUME   464933.146 3767573.945 293.95
   LOCATION L0000771     VOLUME   464924.555 3767573.994 294.03
   LOCATION L0000772     VOLUME   464915.965 3767574.043 294.10
   LOCATION L0000773     VOLUME   464907.374 3767574.092 294.17
   LOCATION L0000774     VOLUME   464898.783 3767574.142 294.24
   LOCATION L0000775     VOLUME   464890.193 3767574.191 294.30
   LOCATION L0000776     VOLUME   464881.602 3767574.240 294.36
   LOCATION L0000777     VOLUME   464873.011 3767574.290 294.41
   LOCATION L0000778     VOLUME   464864.421 3767574.339 294.46
   LOCATION L0000779     VOLUME   464855.830 3767574.388 294.53
   LOCATION L0000780     VOLUME   464847.239 3767574.437 294.59
   LOCATION L0000781     VOLUME   464838.649 3767574.487 294.65
   LOCATION L0000782     VOLUME   464830.058 3767574.536 294.68
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   LOCATION L0000783     VOLUME   464821.467 3767574.585 294.71
   LOCATION L0000784     VOLUME   464812.877 3767574.634 294.73
   LOCATION L0000785     VOLUME   464804.286 3767574.684 294.81
   LOCATION L0000786     VOLUME   464795.695 3767574.733 294.88
   LOCATION L0000787     VOLUME   464787.105 3767574.782 294.96
   LOCATION L0000788     VOLUME   464778.514 3767574.831 295.02
   LOCATION L0000789     VOLUME   464769.923 3767574.881 295.09
   LOCATION L0000790     VOLUME   464761.333 3767574.930 295.16
   LOCATION L0000791     VOLUME   464752.742 3767574.979 295.22
   LOCATION L0000792     VOLUME   464744.151 3767575.029 295.28
   LOCATION L0000793     VOLUME   464735.561 3767575.078 295.34
   LOCATION L0000794     VOLUME   464726.970 3767575.127 295.43
   LOCATION L0000795     VOLUME   464718.379 3767575.176 295.52
   LOCATION L0000796     VOLUME   464709.789 3767575.226 295.61
   LOCATION L0000797     VOLUME   464701.198 3767575.275 295.70
   LOCATION L0000798     VOLUME   464692.607 3767575.324 295.78
   LOCATION L0000799     VOLUME   464684.017 3767575.373 295.87
   LOCATION L0000800     VOLUME   464675.426 3767575.423 295.95
   LOCATION L0000801     VOLUME   464666.836 3767575.472 296.03
   LOCATION L0000802     VOLUME   464658.245 3767575.521 296.11
   LOCATION L0000803     VOLUME   464649.654 3767575.570 296.16
   LOCATION L0000804     VOLUME   464641.064 3767575.620 296.20
   LOCATION L0000805     VOLUME   464632.473 3767575.669 296.24
   LOCATION L0000806     VOLUME   464623.882 3767575.718 296.30
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Jurupa Avenue east of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.07E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 4
** 465023.758, 3767573.575, 293.24, 3.50, 4.00
** 465422.854, 3767576.407, 295.37, 3.50, 4.00
** 465441.910, 3767576.767, 295.30, 3.50, 4.00
** 465484.697, 3767575.328, 295.63, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000807     VOLUME   465028.053 3767573.605 293.30
   LOCATION L0000808     VOLUME   465036.644 3767573.666 293.24
   LOCATION L0000809     VOLUME   465045.234 3767573.727 293.17
   LOCATION L0000810     VOLUME   465053.825 3767573.788 293.07
   LOCATION L0000811     VOLUME   465062.415 3767573.849 292.97
   LOCATION L0000812     VOLUME   465071.006 3767573.910 292.88
   LOCATION L0000813     VOLUME   465079.597 3767573.971 292.80
   LOCATION L0000814     VOLUME   465088.187 3767574.032 292.72
   LOCATION L0000815     VOLUME   465096.778 3767574.093 292.64
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   LOCATION L0000816     VOLUME   465105.368 3767574.154 292.59
   LOCATION L0000817     VOLUME   465113.959 3767574.215 292.53
   LOCATION L0000818     VOLUME   465122.549 3767574.276 292.49
   LOCATION L0000819     VOLUME   465131.140 3767574.337 292.47
   LOCATION L0000820     VOLUME   465139.731 3767574.398 292.46
   LOCATION L0000821     VOLUME   465148.321 3767574.459 292.44
   LOCATION L0000822     VOLUME   465156.912 3767574.520 292.41
   LOCATION L0000823     VOLUME   465165.502 3767574.581 292.38
   LOCATION L0000824     VOLUME   465174.093 3767574.642 292.35
   LOCATION L0000825     VOLUME   465182.684 3767574.703 292.32
   LOCATION L0000826     VOLUME   465191.274 3767574.764 292.28
   LOCATION L0000827     VOLUME   465199.865 3767574.824 292.25
   LOCATION L0000828     VOLUME   465208.455 3767574.885 292.23
   LOCATION L0000829     VOLUME   465217.046 3767574.946 292.22
   LOCATION L0000830     VOLUME   465225.636 3767575.007 292.20
   LOCATION L0000831     VOLUME   465234.227 3767575.068 292.19
   LOCATION L0000832     VOLUME   465242.818 3767575.129 292.18
   LOCATION L0000833     VOLUME   465251.408 3767575.190 292.17
   LOCATION L0000834     VOLUME   465259.999 3767575.251 292.16
   LOCATION L0000835     VOLUME   465268.589 3767575.312 292.15
   LOCATION L0000836     VOLUME   465277.180 3767575.373 292.14
   LOCATION L0000837     VOLUME   465285.771 3767575.434 292.14
   LOCATION L0000838     VOLUME   465294.361 3767575.495 292.14
   LOCATION L0000839     VOLUME   465302.952 3767575.556 292.22
   LOCATION L0000840     VOLUME   465311.542 3767575.617 292.39
   LOCATION L0000841     VOLUME   465320.133 3767575.678 292.56
   LOCATION L0000842     VOLUME   465328.723 3767575.739 292.73
   LOCATION L0000843     VOLUME   465337.314 3767575.800 292.88
   LOCATION L0000844     VOLUME   465345.905 3767575.861 293.03
   LOCATION L0000845     VOLUME   465354.495 3767575.922 293.21
   LOCATION L0000846     VOLUME   465363.086 3767575.983 293.44
   LOCATION L0000847     VOLUME   465371.676 3767576.044 293.67
   LOCATION L0000848     VOLUME   465380.267 3767576.105 293.99
   LOCATION L0000849     VOLUME   465388.858 3767576.166 294.42
   LOCATION L0000850     VOLUME   465397.448 3767576.227 294.85
   LOCATION L0000851     VOLUME   465406.039 3767576.288 295.01
   LOCATION L0000852     VOLUME   465414.629 3767576.349 294.88
   LOCATION L0000853     VOLUME   465423.220 3767576.414 294.74
   LOCATION L0000854     VOLUME   465431.809 3767576.576 294.79
   LOCATION L0000855     VOLUME   465440.398 3767576.738 295.01
   LOCATION L0000856     VOLUME   465448.985 3767576.529 295.22
   LOCATION L0000857     VOLUME   465457.571 3767576.240 295.36
   LOCATION L0000858     VOLUME   465466.157 3767575.952 295.44
   LOCATION L0000859     VOLUME   465474.743 3767575.663 295.53
   LOCATION L0000860     VOLUME   465483.329 3767575.374 295.59
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Project Driveways to Maintenance/Parking Areas
** PREFIX
```

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** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.13E-06
** Vertical Dimension = 7.00
** SZINIT = 3.25
** Nodes = 4
** 465031.823, 3767513.650, 292.44, 3.50, 4.00
** 465119.507, 3767514.249, 291.76, 3.50, 4.00
** 465119.997, 3767475.829, 291.48, 3.50, 4.00
** 465030.970, 3767475.212, 291.91, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000861     VOLUME   465036.118 3767513.680 292.52
   LOCATION L0000862     VOLUME   465044.708 3767513.738 292.45
   LOCATION L0000863     VOLUME   465053.299 3767513.797 292.35
   LOCATION L0000864     VOLUME   465061.890 3767513.855 292.25
   LOCATION L0000865     VOLUME   465070.480 3767513.914 292.15
   LOCATION L0000866     VOLUME   465079.071 3767513.973 292.08
   LOCATION L0000867     VOLUME   465087.661 3767514.031 292.00
   LOCATION L0000868     VOLUME   465096.252 3767514.090 291.94
   LOCATION L0000869     VOLUME   465104.843 3767514.149 291.88
   LOCATION L0000870     VOLUME   465113.433 3767514.207 291.83
   LOCATION L0000871     VOLUME   465119.539 3767511.732 291.78
   LOCATION L0000872     VOLUME   465119.648 3767503.142 291.73
   LOCATION L0000873     VOLUME   465119.758 3767494.552 291.66
   LOCATION L0000874     VOLUME   465119.867 3767485.962 291.59
   LOCATION L0000875     VOLUME   465119.977 3767477.372 291.51
   LOCATION L0000876     VOLUME   465112.949 3767475.780 291.56
   LOCATION L0000877     VOLUME   465104.358 3767475.721 291.62
   LOCATION L0000878     VOLUME   465095.768 3767475.661 291.69
   LOCATION L0000879     VOLUME   465087.177 3767475.602 291.73
   LOCATION L0000880     VOLUME   465078.586 3767475.542 291.76
   LOCATION L0000881     VOLUME   465069.996 3767475.483 291.80
   LOCATION L0000882     VOLUME   465061.405 3767475.423 291.83
   LOCATION L0000883     VOLUME   465052.815 3767475.364 291.87
   LOCATION L0000884     VOLUME   465044.224 3767475.304 291.91
   LOCATION L0000885     VOLUME   465035.633 3767475.245 291.97
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      465034.070  3767475.500      291.980
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      465033.780  3767514.070      292.540
** DESCRSRC Idling Location 2
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000749     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000750     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000751     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000752     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000753     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000754     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000755     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000756     0.0000001173      3.50      4.00      1.63
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   SRCPARAM L0000757     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000758     0.0000001173      3.50      4.00      1.63
   SRCPARAM L0000759     0.0000001173      3.50      4.00      1.63
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000760     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000761     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000762     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000763     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000764     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000765     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000766     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000767     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000768     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000769     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000770     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000771     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000772     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000773     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000774     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000775     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000776     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000777     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000778     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000779     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000780     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000781     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000782     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000783     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000784     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000785     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000786     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000787     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000788     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000789     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000790     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000791     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000792     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000793     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000794     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000795     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000796     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000797     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000798     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000799     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000800     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000801     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000802     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000803     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000804     0.00000005745      3.50      4.00      1.63
   SRCPARAM L0000805     0.00000005745      3.50      4.00      1.63
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   SRCPARAM L0000806     0.00000005745      3.50      4.00      1.63
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000807     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000808     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000809     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000810     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000811     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000812     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000813     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000814     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000815     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000816     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000817     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000818     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000819     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000820     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000821     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000822     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000823     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000824     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000825     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000826     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000827     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000828     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000829     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000830     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000831     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000832     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000833     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000834     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000835     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000836     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000837     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000838     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000839     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000840     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000841     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000842     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000843     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000844     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000845     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000846     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000847     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000848     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000849     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000850     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000851     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000852     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000853     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000854     0.00000005685      3.50      4.00      1.63
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   SRCPARAM L0000855     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000856     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000857     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000858     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000859     0.00000005685      3.50      4.00      1.63
   SRCPARAM L0000860     0.00000005685      3.50      4.00      1.63
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000861     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000862     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000863     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000864     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000865     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000866     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000867     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000868     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000869     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000870     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000871     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000872     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000873     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000874     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000875     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000876     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000877     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000878     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000879     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000880     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000881     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000882     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000883     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000884     0.0000002452      3.50      4.00      3.25
   SRCPARAM L0000885     0.0000002452      3.50      4.00      3.25
** ------------------------------------------------------------------
   SRCPARAM STCK1         0.000123     3.500   366.000  51.90000     0.100
   SRCPARAM STCK2         0.000123     3.500   366.000  51.90000     0.100
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "19495 Lilac Ave Truck Repair HRA - 2nd 14 yrs.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
```

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**************************************
**
**
ME STARTING
   SURFFILE ..\FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE ..\FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19495 LILAC AVE TRUCK REPAIR HRA - 2ND 14 YRS.AD\PE00GALL.PLT" 31
   SUMMFILE "19495 Lilac Ave Truck Repair HRA - 2nd 14 yrs.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


 *** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
 *** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                      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   139 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  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
       TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  PM_2.5

**Model Calculates PERIOD Averages Only

**This Run Includes:    139 Source(s);       1 Source Group(s); and     449 Receptor(s)

              with:      2 POINT(s), including
                         0 POINTCAP(s) and      0 POINTHOR(s)
               and:    137 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 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) =   367.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                            ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

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

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

**Detailed Error/Message File:   19495 Lilac Ave Truck Repair HRA - 2nd 14 yrs.err
**File for Summary of Results:   19495 Lilac Ave Truck Repair HRA - 2nd 14 yrs.sum

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                    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   0.12300E-03  465034.1 3767475.5   292.0     3.50   366.00    51.90     0.10    NO      YES   NO
STCK2           0   0.12300E-03  465033.8 3767514.1   292.5     3.50   366.00    51.90     0.10    NO      YES   NO

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                    PAGE   3
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                            *** VOLUME SOURCE DATA ***

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

L0000749        0   0.11730E-06  465023.5 3767477.0   292.1     3.50     4.00     1.63     YES
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L0000750	0	0.11730E-06	465023.5	3767485.6	292.2	3.50	4.00	1.63	YES
L0000751	0	0.11730E-06	465023.6	3767494.2	292.3	3.50	4.00	1.63	YES
L0000752	0	0.11730E-06	465023.6	3767502.8	292.5	3.50	4.00	1.63	YES
L0000753	0	0.11730E-06	465023.6	3767511.4	292.6	3.50	4.00	1.63	YES
L0000754	0	0.11730E-06	465023.6	3767520.0	292.7	3.50	4.00	1.63	YES
L0000755	0	0.11730E-06	465023.6	3767528.6	292.8	3.50	4.00	1.63	YES
L0000756	0	0.11730E-06	465023.6	3767537.1	292.9	3.50	4.00	1.63	YES
L0000757	0	0.11730E-06	465023.6	3767545.7	293.0	3.50	4.00	1.63	YES
L0000758	0	0.11730E-06	465023.6	3767554.3	293.1	3.50	4.00	1.63	YES
L0000759	0	0.11730E-06	465023.6	3767562.9	293.2	3.50	4.00	1.63	YES
L0000760	0	0.57450E-07	465019.1	3767573.5	293.4	3.50	4.00	1.63	YES
L0000761	0	0.57450E-07	465010.5	3767573.5	293.4	3.50	4.00	1.63	YES
L0000762	0	0.57450E-07	465001.9	3767573.6	293.5	3.50	4.00	1.63	YES
L0000763	0	0.57450E-07	464993.3	3767573.6	293.6	3.50	4.00	1.63	YES
L0000764	0	0.57450E-07	464984.7	3767573.6	293.6	3.50	4.00	1.63	YES
L0000765	0	0.57450E-07	464976.1	3767573.7	293.7	3.50	4.00	1.63	YES
L0000766	0	0.57450E-07	464967.5	3767573.7	293.7	3.50	4.00	1.63	YES
L0000767	0	0.57450E-07	464958.9	3767573.8	293.8	3.50	4.00	1.63	YES
L0000768	0	0.57450E-07	464950.3	3767573.8	293.8	3.50	4.00	1.63	YES
L0000769	0	0.57450E-07	464941.7	3767573.9	293.9	3.50	4.00	1.63	YES
L0000770	0	0.57450E-07	464933.1	3767573.9	293.9	3.50	4.00	1.63	YES
L0000771	0	0.57450E-07	464924.6	3767574.0	294.0	3.50	4.00	1.63	YES
L0000772	0	0.57450E-07	464916.0	3767574.0	294.1	3.50	4.00	1.63	YES
L0000773	0	0.57450E-07	464907.4	3767574.1	294.2	3.50	4.00	1.63	YES
L0000774	0	0.57450E-07	464898.8	3767574.1	294.2	3.50	4.00	1.63	YES
L0000775	0	0.57450E-07	464890.2	3767574.2	294.3	3.50	4.00	1.63	YES
L0000776	0	0.57450E-07	464881.6	3767574.2	294.4	3.50	4.00	1.63	YES
L0000777	0	0.57450E-07	464873.0	3767574.3	294.4	3.50	4.00	1.63	YES
L0000778	0	0.57450E-07	464864.4	3767574.3	294.5	3.50	4.00	1.63	YES
L0000779	0	0.57450E-07	464855.8	3767574.4	294.5	3.50	4.00	1.63	YES
L0000780	0	0.57450E-07	464847.2	3767574.4	294.6	3.50	4.00	1.63	YES
L0000781	0	0.57450E-07	464838.6	3767574.5	294.7	3.50	4.00	1.63	YES
L0000782	0	0.57450E-07	464830.1	3767574.5	294.7	3.50	4.00	1.63	YES
L0000783	0	0.57450E-07	464821.5	3767574.6	294.7	3.50	4.00	1.63	YES
L0000784	0	0.57450E-07	464812.9	3767574.6	294.7	3.50	4.00	1.63	YES
L0000785	0	0.57450E-07	464804.3	3767574.7	294.8	3.50	4.00	1.63	YES
L0000786	0	0.57450E-07	464795.7	3767574.7	294.9	3.50	4.00	1.63	YES
L0000787	0	0.57450E-07	464787.1	3767574.8	295.0	3.50	4.00	1.63	YES
L0000788	0	0.57450E-07	464778.5	3767574.8	295.0	3.50	4.00	1.63	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

- -

L0000789	0	0.57450E-07	464769.9	3767574.9	295.1	3.50	4.00	1.63	YES
L0000790	0	0.57450E-07	464761.3	3767574.9	295.2	3.50	4.00	1.63	YES
L0000791	0	0.57450E-07	464752.7	3767575.0	295.2	3.50	4.00	1.63	YES
L0000792	0	0.57450E-07	464744.2	3767575.0	295.3	3.50	4.00	1.63	YES
L0000793	0	0.57450E-07	464735.6	3767575.1	295.3	3.50	4.00	1.63	YES
L0000794	0	0.57450E-07	464727.0	3767575.1	295.4	3.50	4.00	1.63	YES
L0000795	0	0.57450E-07	464718.4	3767575.2	295.5	3.50	4.00	1.63	YES
L0000796	0	0.57450E-07	464709.8	3767575.2	295.6	3.50	4.00	1.63	YES
L0000797	0	0.57450E-07	464701.2	3767575.3	295.7	3.50	4.00	1.63	YES
L0000798	0	0.57450E-07	464692.6	3767575.3	295.8	3.50	4.00	1.63	YES
L0000799	0	0.57450E-07	464684.0	3767575.4	295.9	3.50	4.00	1.63	YES
L0000800	0	0.57450E-07	464675.4	3767575.4	295.9	3.50	4.00	1.63	YES
L0000801	0	0.57450E-07	464666.8	3767575.5	296.0	3.50	4.00	1.63	YES
L0000802	0	0.57450E-07	464658.2	3767575.5	296.1	3.50	4.00	1.63	YES
L0000803	0	0.57450E-07	464649.7	3767575.6	296.2	3.50	4.00	1.63	YES
L0000804	0	0.57450E-07	464641.1	3767575.6	296.2	3.50	4.00	1.63	YES
L0000805	0	0.57450E-07	464632.5	3767575.7	296.2	3.50	4.00	1.63	YES
L0000806	0	0.57450E-07	464623.9	3767575.7	296.3	3.50	4.00	1.63	YES
L0000807	0	0.56850E-07	465028.1	3767573.6	293.3	3.50	4.00	1.63	YES
L0000808	0	0.56850E-07	465036.6	3767573.7	293.2	3.50	4.00	1.63	YES
L0000809	0	0.56850E-07	465045.2	3767573.7	293.2	3.50	4.00	1.63	YES
L0000810	0	0.56850E-07	465053.8	3767573.8	293.1	3.50	4.00	1.63	YES
L0000811	0	0.56850E-07	465062.4	3767573.8	293.0	3.50	4.00	1.63	YES
L0000812	0	0.56850E-07	465071.0	3767573.9	292.9	3.50	4.00	1.63	YES
L0000813	0	0.56850E-07	465079.6	3767574.0	292.8	3.50	4.00	1.63	YES
L0000814	0	0.56850E-07	465088.2	3767574.0	292.7	3.50	4.00	1.63	YES
L0000815	0	0.56850E-07	465096.8	3767574.1	292.6	3.50	4.00	1.63	YES
L0000816	0	0.56850E-07	465105.4	3767574.2	292.6	3.50	4.00	1.63	YES
L0000817	0	0.56850E-07	465114.0	3767574.2	292.5	3.50	4.00	1.63	YES
L0000818	0	0.56850E-07	465122.5	3767574.3	292.5	3.50	4.00	1.63	YES
L0000819	0	0.56850E-07	465131.1	3767574.3	292.5	3.50	4.00	1.63	YES
L0000820	0	0.56850E-07	465139.7	3767574.4	292.5	3.50	4.00	1.63	YES
L0000821	0	0.56850E-07	465148.3	3767574.5	292.4	3.50	4.00	1.63	YES
L0000822	0	0.56850E-07	465156.9	3767574.5	292.4	3.50	4.00	1.63	YES
L0000823	0	0.56850E-07	465165.5	3767574.6	292.4	3.50	4.00	1.63	YES
L0000824	0	0.56850E-07	465174.1	3767574.6	292.4	3.50	4.00	1.63	YES
L0000825	0	0.56850E-07	465182.7	3767574.7	292.3	3.50	4.00	1.63	YES
L0000826	0	0.56850E-07	465191.3	3767574.8	292.3	3.50	4.00	1.63	YES
L0000827	0	0.56850E-07	465199.9	3767574.8	292.2	3.50	4.00	1.63	YES
L0000828	0	0.56850E-07	465208.5	3767574.9	292.2	3.50	4.00	1.63	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000829	0	0.56850E-07	465217.0	3767574.9	292.2	3.50	4.00	1.63	YES	
L0000830	0	0.56850E-07	465225.6	3767575.0	292.2	3.50	4.00	1.63	YES	
L0000831	0	0.56850E-07	465234.2	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000832	0	0.56850E-07	465242.8	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000833	0	0.56850E-07	465251.4	3767575.2	292.2	3.50	4.00	1.63	YES	
L0000834	0	0.56850E-07	465260.0	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000835	0	0.56850E-07	465268.6	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000836	0	0.56850E-07	465277.2	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000837	0	0.56850E-07	465285.8	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000838	0	0.56850E-07	465294.4	3767575.5	292.1	3.50	4.00	1.63	YES	
L0000839	0	0.56850E-07	465303.0	3767575.6	292.2	3.50	4.00	1.63	YES	
L0000840	0	0.56850E-07	465311.5	3767575.6	292.4	3.50	4.00	1.63	YES	
L0000841	0	0.56850E-07	465320.1	3767575.7	292.6	3.50	4.00	1.63	YES	
L0000842	0	0.56850E-07	465328.7	3767575.7	292.7	3.50	4.00	1.63	YES	
L0000843	0	0.56850E-07	465337.3	3767575.8	292.9	3.50	4.00	1.63	YES	
L0000844	0	0.56850E-07	465345.9	3767575.9	293.0	3.50	4.00	1.63	YES	
L0000845	0	0.56850E-07	465354.5	3767575.9	293.2	3.50	4.00	1.63	YES	
L0000846	0	0.56850E-07	465363.1	3767576.0	293.4	3.50	4.00	1.63	YES	
L0000847	0	0.56850E-07	465371.7	3767576.0	293.7	3.50	4.00	1.63	YES	
L0000848	0	0.56850E-07	465380.3	3767576.1	294.0	3.50	4.00	1.63	YES	
L0000849	0	0.56850E-07	465388.9	3767576.2	294.4	3.50	4.00	1.63	YES	
L0000850	0	0.56850E-07	465397.4	3767576.2	294.9	3.50	4.00	1.63	YES	
L0000851	0	0.56850E-07	465406.0	3767576.3	295.0	3.50	4.00	1.63	YES	
L0000852	0	0.56850E-07	465414.6	3767576.3	294.9	3.50	4.00	1.63	YES	
L0000853	0	0.56850E-07	465423.2	3767576.4	294.7	3.50	4.00	1.63	YES	
L0000854	0	0.56850E-07	465431.8	3767576.6	294.8	3.50	4.00	1.63	YES	
L0000855	0	0.56850E-07	465440.4	3767576.7	295.0	3.50	4.00	1.63	YES	
L0000856	0	0.56850E-07	465449.0	3767576.5	295.2	3.50	4.00	1.63	YES	
L0000857	0	0.56850E-07	465457.6	3767576.2	295.4	3.50	4.00	1.63	YES	
L0000858	0	0.56850E-07	465466.2	3767576.0	295.4	3.50	4.00	1.63	YES	
L0000859	0	0.56850E-07	465474.7	3767575.7	295.5	3.50	4.00	1.63	YES	
L0000860	0	0.56850E-07	465483.3	3767575.4	295.6	3.50	4.00	1.63	YES	
L0000861	0	0.24520E-06	465036.1	3767513.7	292.5	3.50	4.00	3.25	YES	
L0000862	0	0.24520E-06	465044.7	3767513.7	292.4	3.50	4.00	3.25	YES	
L0000863	0	0.24520E-06	465053.3	3767513.8	292.4	3.50	4.00	3.25	YES	
L0000864	0	0.24520E-06	465061.9	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000865	0	0.24520E-06	465070.5	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000866	0	0.24520E-06	465079.1	3767514.0	292.1	3.50	4.00	3.25	YES	
L0000867	0	0.24520E-06	465087.7	3767514.0	292.0	3.50	4.00	3.25	YES	
L0000868	0	0.24520E-06	465096.3	3767514.1	291.9	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000869	0	0.24520E-06	465104.8	3767514.1	291.9	3.50	4.00	3.25	YES	
L0000870	0	0.24520E-06	465113.4	3767514.2	291.8	3.50	4.00	3.25	YES	
L0000871	0	0.24520E-06	465119.5	3767511.7	291.8	3.50	4.00	3.25	YES	
L0000872	0	0.24520E-06	465119.6	3767503.1	291.7	3.50	4.00	3.25	YES	
L0000873	0	0.24520E-06	465119.8	3767494.6	291.7	3.50	4.00	3.25	YES	
L0000874	0	0.24520E-06	465119.9	3767486.0	291.6	3.50	4.00	3.25	YES	
L0000875	0	0.24520E-06	465120.0	3767477.4	291.5	3.50	4.00	3.25	YES	
L0000876	0	0.24520E-06	465112.9	3767475.8	291.6	3.50	4.00	3.25	YES	
L0000877	0	0.24520E-06	465104.4	3767475.7	291.6	3.50	4.00	3.25	YES	
L0000878	0	0.24520E-06	465095.8	3767475.7	291.7	3.50	4.00	3.25	YES	
L0000879	0	0.24520E-06	465087.2	3767475.6	291.7	3.50	4.00	3.25	YES	
L0000880	0	0.24520E-06	465078.6	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000881	0	0.24520E-06	465070.0	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000882	0	0.24520E-06	465061.4	3767475.4	291.8	3.50	4.00	3.25	YES	
L0000883	0	0.24520E-06	465052.8	3767475.4	291.9	3.50	4.00	3.25	YES	
L0000884	0	0.24520E-06	465044.2	3767475.3	291.9	3.50	4.00	3.25	YES	
L0000885	0	0.24520E-06	465035.6	3767475.2	292.0	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000749 , L0000750 , L0000751 , L0000752 , L0000753 , L0000754 , L0000755 , L0000756 ,
	L0000757 , L0000758 , L0000759 , L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
	L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
	L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,
	L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 ,
	L0000789 , L0000790 , L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 ,
	L0000797 , L0000798 , L0000799 , L0000800 , L0000801 , L0000802 , L0000803 , L0000804 ,

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           L0000805    , L0000806    , L0000807    , L0000808    , L0000809    , L0000810    , L0000811    , L0000812    ,
           L0000813    , L0000814    , L0000815    , L0000816    , L0000817    , L0000818    , L0000819    , L0000820    ,
           L0000821    , L0000822    , L0000823    , L0000824    , L0000825    , L0000826    , L0000827    , L0000828    ,
           L0000829    , L0000830    , L0000831    , L0000832    , L0000833    , L0000834    , L0000835    , L0000836    ,
           L0000837    , L0000838    , L0000839    , L0000840    , L0000841    , L0000842    , L0000843    , L0000844    ,
           L0000845    , L0000846    , L0000847    , L0000848    , L0000849    , L0000850    , L0000851    , L0000852    ,
           L0000853    , L0000854    , L0000855    , L0000856    , L0000857    , L0000858    , L0000859    , L0000860    ,
           L0000861    , L0000862    , L0000863    , L0000864    , L0000865    , L0000866    , L0000867    , L0000868    ,
           L0000869    , L0000870    , L0000871    , L0000872    , L0000873    , L0000874    , L0000875    , L0000876    ,
           L0000877    , L0000878    , L0000879    , L0000880    , L0000881    , L0000882    , L0000883    , L0000884    ,
           L0000885    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                     PAGE   8
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 URBAN ID   URBAN POP                                SOURCE IDs
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            2035210.   L0000749    , L0000750    , L0000751    , L0000752    , L0000753    , L0000754    , L0000755    ,
L0000756    ,
           L0000757    , L0000758    , L0000759    , L0000760    , L0000761    , L0000762    , L0000763    , L0000764    ,
           L0000765    , L0000766    , L0000767    , L0000768    , L0000769    , L0000770    , L0000771    , L0000772    ,
           L0000773    , L0000774    , L0000775    , L0000776    , L0000777    , L0000778    , L0000779    , L0000780    ,
           L0000781    , L0000782    , L0000783    , L0000784    , L0000785    , L0000786    , L0000787    , L0000788    ,
           L0000789    , L0000790    , L0000791    , L0000792    , L0000793    , L0000794    , L0000795    , L0000796    ,
           L0000797    , L0000798    , L0000799    , L0000800    , L0000801    , L0000802    , L0000803    , L0000804    ,
           L0000805    , L0000806    , L0000807    , L0000808    , L0000809    , L0000810    , L0000811    , L0000812    ,
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           L0000813    , L0000814    , L0000815    , L0000816    , L0000817    , L0000818    , L0000819    , L0000820    ,
           L0000821    , L0000822    , L0000823    , L0000824    , L0000825    , L0000826    , L0000827    , L0000828    ,
           L0000829    , L0000830    , L0000831    , L0000832    , L0000833    , L0000834    , L0000835    , L0000836    ,
           L0000837    , L0000838    , L0000839    , L0000840    , L0000841    , L0000842    , L0000843    , L0000844    ,
           L0000845    , L0000846    , L0000847    , L0000848    , L0000849    , L0000850    , L0000851    , L0000852    ,
           L0000853    , L0000854    , L0000855    , L0000856    , L0000857    , L0000858    , L0000859    , L0000860    ,
           L0000861    , L0000862    , L0000863    , L0000864    , L0000865    , L0000866    , L0000867    , L0000868    ,
           L0000869    , L0000870    , L0000871    , L0000872    , L0000873    , L0000874    , L0000875    , L0000876    ,
           L0000877    , L0000878    , L0000879    , L0000880    , L0000881    , L0000882    , L0000883    , L0000884    ,
           L0000885    , STCK1       , STCK2       ,
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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

464598.6, 464647.5, 464696.4, 464745.3, 464794.3, 464843.2, 464892.1, 464941.0, 464989.9, 465038.8,
465087.7, 465136.6, 465185.5, 465234.5, 465283.4, 465332.3, 465381.2, 465430.1, 465479.0, 465527.9,
465576.8,

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

3767020.6, 3767068.9, 3767117.2, 3767165.5, 3767213.8, 3767262.1, 3767310.4, 3767358.7, 3767407.0, 3767455.3,
3767503.6, 3767551.9, 3767600.2, 3767648.5, 3767696.8, 3767745.1, 3767793.4, 3767841.7, 3767890.0, 3767938.3,
3767986.6,

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	282.50
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	285.40	279.30
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	286.90	279.00
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	278.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70
3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90
3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	294.70	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	292.00	293.80

3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90
3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	285.50	282.40	280.10
3767262.11	289.40	288.70	288.20	286.60	283.40	280.90	279.70	279.50	279.40
3767213.81	287.20	284.70	281.80	279.90	279.50	279.60	279.60	279.50	279.50
3767165.51	280.00	278.90	278.70	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	284.40	288.90	291.90
3767310.41	279.60	283.10	289.80
3767262.11	279.60	279.80	284.20
3767213.81	279.70	279.50	280.30
3767165.51	279.70	279.50	279.60
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	289.10
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	287.40	288.80
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	287.50	288.50
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	288.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70

3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90
3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	298.00	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	297.20	293.80
3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90
3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	287.20	288.20	288.60
3767262.11	289.40	288.70	288.20	286.60	288.40	288.60	288.30	279.50	279.40
3767213.81	287.20	287.90	288.50	288.80	288.40	279.60	279.60	279.50	279.50
3767165.51	289.50	289.30	288.30	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	294.10	292.40	291.90
3767310.41	294.10	293.60	290.90
3767262.11	279.60	292.70	292.80
3767213.81	279.70	292.70	292.80
3767165.51	279.70	279.50	292.70
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

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*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                      PAGE  16
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

    ( 464869.8, 3767597.0,     294.7,     294.7,       0.0);         ( 464957.6, 3767607.1,     294.1,     294.1,       0.0);
    ( 465062.7, 3767601.1,     293.3,     293.3,       0.0);         ( 465104.4, 3767603.5,     292.9,     292.9,       0.0);
    ( 465156.6, 3767552.1,     292.2,     292.2,       0.0);         ( 465301.5, 3767553.8,     291.7,     291.7,       0.0);
    ( 465168.8, 3767603.7,     292.6,     292.6,       0.0);         ( 464745.0, 3767602.9,     295.6,     295.6,       0.0);

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                      PAGE  17
*** 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,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                      PAGE  18
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   ..\FONT_V9_ADJU\FONT_v9.SFC                                                   Met Version:  16216
  Profile file:   ..\FONT_V9_ADJU\FONT_v9.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:     3102                  Upper air station no.:     3190
```

Name: UNKNOWN
Year: 2011

Name: UNKNOWN
Year: 2011

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
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	64.	9.1	277.5	5.5
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82	1.00	0.90	52.	9.1	277.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000749 , L0000750 , L0000751 , L0000752 , L0000753 ,
L0000754 , L0000755 , L0000756 , L0000757 , L0000758 , L0000759 , L0000760 , L0000761 ,
L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	0.00034	0.00037	0.00040	0.00043	0.00048	0.00051	0.00054	0.00056	0.00059
3767938.31	0.00038	0.00041	0.00046	0.00050	0.00055	0.00060	0.00064	0.00068	0.00071
3767890.01	0.00042	0.00046	0.00052	0.00058	0.00064	0.00071	0.00077	0.00083	0.00087
3767841.71	0.00047	0.00053	0.00059	0.00067	0.00075	0.00085	0.00093	0.00105	0.00111
3767793.41	0.00053	0.00060	0.00069	0.00078	0.00089	0.00103	0.00118	0.00132	0.00143
3767745.11	0.00060	0.00069	0.00080	0.00093	0.00107	0.00129	0.00151	0.00173	0.00191
3767696.81	0.00068	0.00079	0.00094	0.00113	0.00134	0.00162	0.00194	0.00233	0.00265
3767648.51	0.00078	0.00094	0.00114	0.00137	0.00167	0.00206	0.00257	0.00323	0.00386
3767600.21	0.00092	0.00128	0.00156	0.00186	0.00225	0.00278	0.00356	0.00475	0.00620
3767551.91	0.00100	0.00139	0.00170	0.00206	0.00257	0.00332	0.00455	0.00662	0.00976
3767503.61	0.00100	0.00125	0.00156	0.00197	0.00259	0.00359	0.00531	0.00851	0.01311
3767455.31	0.00104	0.00129	0.00162	0.00207	0.00278	0.00390	0.00582	0.00939	0.01530
3767407.01	0.00108	0.00134	0.00167	0.00213	0.00284	0.00389	0.00561	0.00840	0.01184
3767358.71	0.00111	0.00136	0.00168	0.00212	0.00274	0.00362	0.00489	0.00646	0.00755
3767310.41	0.00112	0.00135	0.00164	0.00202	0.00254	0.00320	0.00401	0.00478	0.00508
3767262.11	0.00110	0.00130	0.00155	0.00188	0.00228	0.00275	0.00322	0.00358	0.00366
3767213.81	0.00107	0.00124	0.00145	0.00171	0.00201	0.00232	0.00259	0.00276	0.00274
3767165.51	0.00103	0.00117	0.00134	0.00154	0.00175	0.00196	0.00211	0.00214	0.00198
3767117.21	0.00099	0.00111	0.00123	0.00138	0.00153	0.00166	0.00173	0.00172	0.00156
3767068.91	0.00094	0.00105	0.00113	0.00123	0.00134	0.00143	0.00148	0.00146	0.00130
3767020.61	0.00087	0.00096	0.00102	0.00110	0.00117	0.00123	0.00126	0.00123	0.00111

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000749 , L0000750 , L0000751 , L0000752 , L0000753 ,
L0000754 , L0000755 , L0000756 , L0000757 , L0000758 , L0000759 , L0000760 , L0000761 ,
L0000762 , L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	0.00061	0.00064	0.00066	0.00067	0.00066	0.00072	0.00078	0.00084	0.00089
3767938.31	0.00074	0.00077	0.00082	0.00083	0.00082	0.00090	0.00097	0.00104	0.00110
3767890.01	0.00093	0.00097	0.00102	0.00107	0.00108	0.00117	0.00126	0.00132	0.00135

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 3767841.71 |       0.00117      0.00122      0.00130      0.00139      0.00142      0.00153      0.00162      0.00165      0.00164
 3767793.41 |       0.00150      0.00158      0.00171      0.00186      0.00192      0.00204      0.00209      0.00207      0.00198
 3767745.11 |       0.00203      0.00219      0.00243      0.00265      0.00274      0.00276      0.00269      0.00253      0.00231
 3767696.81 |       0.00293      0.00330      0.00370      0.00391      0.00382      0.00365      0.00337      0.00300      0.00260
 3767648.51 |       0.00450      0.00537      0.00594      0.00571      0.00504      0.00443      0.00399      0.00339      0.00277
 3767600.21 |       0.00775      0.01008      0.00997      0.00816      0.00639      0.00506      0.00435      0.00365      0.00301
 3767551.91 |       0.01278      0.02005      0.01480      0.00993      0.00695      0.00512      0.00396      0.00317      0.00272
 3767503.61 |       0.01044      0.02550      0.01595      0.00905      0.00604      0.00437      0.00332      0.00263      0.00216
 3767455.31 |       0.01202      0.01365      0.00982      0.00649      0.00464      0.00349      0.00273      0.00220      0.00183
 3767407.01 |       0.01082      0.00782      0.00583      0.00441      0.00341      0.00271      0.00220      0.00182      0.00154
 3767358.71 |       0.00693      0.00538      0.00414      0.00326      0.00262      0.00214      0.00179      0.00151      0.00128
 3767310.41 |       0.00469      0.00387      0.00313      0.00255      0.00210      0.00174      0.00145      0.00121      0.00103
 3767262.11 |       0.00339      0.00290      0.00243      0.00200      0.00163      0.00136      0.00116      0.00102      0.00090
 3767213.81 |       0.00250      0.00213      0.00179      0.00152      0.00132      0.00116      0.00102      0.00090      0.00081
 3767165.51 |       0.00180      0.00161      0.00143      0.00128      0.00114      0.00101      0.00090      0.00081      0.00073
 3767117.21 |       0.00146      0.00134      0.00121      0.00109      0.00099      0.00090      0.00081      0.00073      0.00066
 3767068.91 |       0.00123      0.00114      0.00104      0.00095      0.00087      0.00080      0.00072      0.00066      0.00060
 3767020.61 |       0.00106      0.00099      0.00090      0.00083      0.00077      0.00071      0.00065      0.00060      0.00055

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                     PAGE  21
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     L0000749    , L0000750    , L0000751    , L0000752    , L0000753    ,
               L0000754    , L0000755    , L0000756    , L0000757    , L0000758    , L0000759    , L0000760    , L0000761    ,
               L0000762    , L0000763    , L0000764    , L0000765    , L0000766    , L0000767    , L0000768    , L0000769    ,
               L0000770    , L0000771    , L0000772    , L0000773    , L0000774    , L0000775    , L0000776    ,  . . .      ,

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

                                   ** CONC OF PM_2.5   IN MICROGRAMS/M**3                        **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     465479.00    465527.91    465576.82
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767986.61 |       0.00093      0.00095      0.00095
 3767938.31 |       0.00112      0.00112      0.00110
 3767890.01 |       0.00134      0.00131      0.00125
 3767841.71 |       0.00159      0.00151      0.00140
 3767793.41 |       0.00185      0.00170      0.00155
 3767745.11 |       0.00209      0.00187      0.00165
 3767696.81 |       0.00227      0.00196      0.00169
 3767648.51 |       0.00235      0.00196      0.00166
 3767600.21 |       0.00247      0.00192      0.00159
 3767551.91 |       0.00225      0.00176      0.00146
 3767503.61 |       0.00185      0.00154      0.00130
 3767455.31 |       0.00156      0.00133      0.00114
 3767407.01 |       0.00132      0.00115      0.00100
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 3767358.71 |       0.00109      0.00099      0.00089
 3767310.41 |       0.00091      0.00084      0.00079
 3767262.11 |       0.00081      0.00073      0.00068
 3767213.81 |       0.00073      0.00065      0.00060
 3767165.51 |       0.00066      0.00060      0.00055
 3767117.21 |       0.00060      0.00055      0.00050
 3767068.91 |       0.00055      0.00050      0.00047
 3767020.61 |       0.00051      0.00047      0.00043
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   L0000749   , L0000750   , L0000751   , L0000752   , L0000753   ,
L0000754   , L0000755   , L0000756   , L0000757   , L0000758   , L0000759   , L0000760   , L0000761   ,
L0000762   , L0000763   , L0000764   , L0000765   , L0000766   , L0000767   , L0000768   , L0000769   ,
L0000770   , L0000771   , L0000772   , L0000773   , L0000774   , L0000775   , L0000776   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
464869.82	3767597.04	0.00327	464957.59	3767607.14	0.00490
465062.67	3767601.13	0.00880	465104.41	3767603.47	0.00993
465156.60	3767552.06	0.01256	465301.54	3767553.80	0.00468
465168.78	3767603.72	0.00858	464744.95	3767602.86	0.00181

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

** CONC OF PM_2.5   IN MICROGRAMS/M**3   **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02550	AT (465087.72, 3767503.61, 291.90, 291.90, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.02005	AT (465087.72, 3767551.91, 292.40, 292.40, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.01595	AT (465136.63, 3767503.61, 291.60, 291.60, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01530	AT (464989.90, 3767455.31, 291.90, 291.90, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01480	AT (465136.63, 3767551.91, 292.20, 292.20, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.01365	AT (465087.72, 3767455.31, 291.40, 291.40, 0.00)	GC	UCART1

```
         7TH HIGHEST VALUE IS       0.01311 AT (  464989.90,  3767503.61,   292.60,   292.60,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.01278 AT (  465038.81,  3767551.91,   293.00,   293.00,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.01256 AT (  465156.60,  3767552.06,   292.24,   292.24,    0.00)  DC
        10TH HIGHEST VALUE IS       0.01202 AT (  465038.81,  3767455.31,   291.60,   291.60,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Ave Truck Facility Project - 2nd 14 yrs ***        20:05:13
                                                                                                                    PAGE  24
*** 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            9 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 8/23/2022
** File: C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Ave Truck Repair HRA - 2-year\19495 Lilac Ave Truck Repair HRA - 2-year.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci
   TITLETWO DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 County_of_San_Bernardino
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "19495 Lilac Ave Truck Repair HRA - 2-year.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Lilac Avenue from Project Driveway to Jurupa Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.56E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.533, 3767472.715, 292.03, 3.50, 4.00
** 465023.646, 3767569.356, 293.25, 3.50, 4.00
** ----------------------------------------------------------------------
```

```
   LOCATION L0000522     VOLUME   465023.538 3767477.010 292.08
   LOCATION L0000523     VOLUME   465023.548 3767485.601 292.21
   LOCATION L0000524     VOLUME   465023.558 3767494.192 292.33
   LOCATION L0000525     VOLUME   465023.568 3767502.783 292.46
   LOCATION L0000526     VOLUME   465023.578 3767511.374 292.58
   LOCATION L0000527     VOLUME   465023.588 3767519.964 292.69
   LOCATION L0000528     VOLUME   465023.598 3767528.555 292.81
   LOCATION L0000529     VOLUME   465023.608 3767537.146 292.92
   LOCATION L0000530     VOLUME   465023.618 3767545.737 293.01
   LOCATION L0000531     VOLUME   465023.628 3767554.328 293.11
   LOCATION L0000532     VOLUME   465023.638 3767562.918 293.21
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Jurupa Avenue west of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.26E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 2
** 465023.348, 3767573.427, 293.24, 3.50, 4.00
** 464618.552, 3767575.749, 296.44, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000475     VOLUME   465019.053 3767573.452 293.36
   LOCATION L0000476     VOLUME   465010.462 3767573.501 293.42
   LOCATION L0000477     VOLUME   465001.871 3767573.551 293.49
   LOCATION L0000478     VOLUME   464993.281 3767573.600 293.55
   LOCATION L0000479     VOLUME   464984.690 3767573.649 293.60
   LOCATION L0000480     VOLUME   464976.099 3767573.698 293.65
   LOCATION L0000481     VOLUME   464967.509 3767573.748 293.71
   LOCATION L0000482     VOLUME   464958.918 3767573.797 293.76
   LOCATION L0000483     VOLUME   464950.327 3767573.846 293.82
   LOCATION L0000484     VOLUME   464941.737 3767573.895 293.88
   LOCATION L0000485     VOLUME   464933.146 3767573.945 293.95
   LOCATION L0000486     VOLUME   464924.555 3767573.994 294.03
   LOCATION L0000487     VOLUME   464915.965 3767574.043 294.10
   LOCATION L0000488     VOLUME   464907.374 3767574.092 294.17
   LOCATION L0000489     VOLUME   464898.783 3767574.142 294.24
   LOCATION L0000490     VOLUME   464890.193 3767574.191 294.30
   LOCATION L0000491     VOLUME   464881.602 3767574.240 294.36
   LOCATION L0000492     VOLUME   464873.011 3767574.290 294.41
   LOCATION L0000493     VOLUME   464864.421 3767574.339 294.46
   LOCATION L0000494     VOLUME   464855.830 3767574.388 294.53
   LOCATION L0000495     VOLUME   464847.239 3767574.437 294.59
   LOCATION L0000496     VOLUME   464838.649 3767574.487 294.65
   LOCATION L0000497     VOLUME   464830.058 3767574.536 294.68
   LOCATION L0000498     VOLUME   464821.467 3767574.585 294.71
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   LOCATION L0000499     VOLUME   464812.877 3767574.634 294.73
   LOCATION L0000500     VOLUME   464804.286 3767574.684 294.81
   LOCATION L0000501     VOLUME   464795.695 3767574.733 294.88
   LOCATION L0000502     VOLUME   464787.105 3767574.782 294.96
   LOCATION L0000503     VOLUME   464778.514 3767574.831 295.02
   LOCATION L0000504     VOLUME   464769.923 3767574.881 295.09
   LOCATION L0000505     VOLUME   464761.333 3767574.930 295.16
   LOCATION L0000506     VOLUME   464752.742 3767574.979 295.22
   LOCATION L0000507     VOLUME   464744.151 3767575.029 295.28
   LOCATION L0000508     VOLUME   464735.561 3767575.078 295.34
   LOCATION L0000509     VOLUME   464726.970 3767575.127 295.43
   LOCATION L0000510     VOLUME   464718.379 3767575.176 295.52
   LOCATION L0000511     VOLUME   464709.789 3767575.226 295.61
   LOCATION L0000512     VOLUME   464701.198 3767575.275 295.70
   LOCATION L0000513     VOLUME   464692.607 3767575.324 295.78
   LOCATION L0000514     VOLUME   464684.017 3767575.373 295.87
   LOCATION L0000515     VOLUME   464675.426 3767575.423 295.95
   LOCATION L0000516     VOLUME   464666.836 3767575.472 296.03
   LOCATION L0000517     VOLUME   464658.245 3767575.521 296.11
   LOCATION L0000518     VOLUME   464649.654 3767575.570 296.16
   LOCATION L0000519     VOLUME   464641.064 3767575.620 296.20
   LOCATION L0000520     VOLUME   464632.473 3767575.669 296.24
   LOCATION L0000521     VOLUME   464623.882 3767575.718 296.30
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Jurupa Avenue east of Lilac Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.71E-06
** Elevated
** Vertical Dimension = 7.00
** SZINIT = 1.63
** Nodes = 4
** 465023.758, 3767573.575, 293.24, 3.50, 4.00
** 465422.854, 3767576.407, 295.37, 3.50, 4.00
** 465441.910, 3767576.767, 295.30, 3.50, 4.00
** 465484.697, 3767575.328, 295.63, 3.50, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000533     VOLUME   465028.053 3767573.605 293.30
   LOCATION L0000534     VOLUME   465036.644 3767573.666 293.24
   LOCATION L0000535     VOLUME   465045.234 3767573.727 293.17
   LOCATION L0000536     VOLUME   465053.825 3767573.788 293.07
   LOCATION L0000537     VOLUME   465062.415 3767573.849 292.97
   LOCATION L0000538     VOLUME   465071.006 3767573.910 292.88
   LOCATION L0000539     VOLUME   465079.597 3767573.971 292.80
   LOCATION L0000540     VOLUME   465088.187 3767574.032 292.72
   LOCATION L0000541     VOLUME   465096.778 3767574.093 292.64
   LOCATION L0000542     VOLUME   465105.368 3767574.154 292.59
```

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   LOCATION L0000543     VOLUME   465113.959 3767574.215 292.53
   LOCATION L0000544     VOLUME   465122.549 3767574.276 292.49
   LOCATION L0000545     VOLUME   465131.140 3767574.337 292.47
   LOCATION L0000546     VOLUME   465139.731 3767574.398 292.46
   LOCATION L0000547     VOLUME   465148.321 3767574.459 292.44
   LOCATION L0000548     VOLUME   465156.912 3767574.520 292.41
   LOCATION L0000549     VOLUME   465165.502 3767574.581 292.38
   LOCATION L0000550     VOLUME   465174.093 3767574.642 292.35
   LOCATION L0000551     VOLUME   465182.684 3767574.703 292.32
   LOCATION L0000552     VOLUME   465191.274 3767574.764 292.28
   LOCATION L0000553     VOLUME   465199.865 3767574.824 292.25
   LOCATION L0000554     VOLUME   465208.455 3767574.885 292.23
   LOCATION L0000555     VOLUME   465217.046 3767574.946 292.22
   LOCATION L0000556     VOLUME   465225.636 3767575.007 292.20
   LOCATION L0000557     VOLUME   465234.227 3767575.068 292.19
   LOCATION L0000558     VOLUME   465242.818 3767575.129 292.18
   LOCATION L0000559     VOLUME   465251.408 3767575.190 292.17
   LOCATION L0000560     VOLUME   465259.999 3767575.251 292.16
   LOCATION L0000561     VOLUME   465268.589 3767575.312 292.15
   LOCATION L0000562     VOLUME   465277.180 3767575.373 292.14
   LOCATION L0000563     VOLUME   465285.771 3767575.434 292.14
   LOCATION L0000564     VOLUME   465294.361 3767575.495 292.14
   LOCATION L0000565     VOLUME   465302.952 3767575.556 292.22
   LOCATION L0000566     VOLUME   465311.542 3767575.617 292.39
   LOCATION L0000567     VOLUME   465320.133 3767575.678 292.56
   LOCATION L0000568     VOLUME   465328.723 3767575.739 292.73
   LOCATION L0000569     VOLUME   465337.314 3767575.800 292.88
   LOCATION L0000570     VOLUME   465345.905 3767575.861 293.03
   LOCATION L0000571     VOLUME   465354.495 3767575.922 293.21
   LOCATION L0000572     VOLUME   465363.086 3767575.983 293.44
   LOCATION L0000573     VOLUME   465371.676 3767576.044 293.67
   LOCATION L0000574     VOLUME   465380.267 3767576.105 293.99
   LOCATION L0000575     VOLUME   465388.858 3767576.166 294.42
   LOCATION L0000576     VOLUME   465397.448 3767576.227 294.85
   LOCATION L0000577     VOLUME   465406.039 3767576.288 295.01
   LOCATION L0000578     VOLUME   465414.629 3767576.349 294.88
   LOCATION L0000579     VOLUME   465423.220 3767576.414 294.74
   LOCATION L0000580     VOLUME   465431.809 3767576.576 294.79
   LOCATION L0000581     VOLUME   465440.398 3767576.738 295.01
   LOCATION L0000582     VOLUME   465448.985 3767576.529 295.22
   LOCATION L0000583     VOLUME   465457.571 3767576.240 295.36
   LOCATION L0000584     VOLUME   465466.157 3767575.952 295.44
   LOCATION L0000585     VOLUME   465474.743 3767575.663 295.53
   LOCATION L0000586     VOLUME   465483.329 3767575.374 295.59
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Project Drivways to Maintenance/Parking Areas
** PREFIX
** Length of Side = 8.59
```

```
** Configuration = Adjacent
** Emission Rate = 8.43E-06
** Vertical Dimension = 7.00
** SZINIT = 3.25
** Nodes = 4
** 465031.823, 3767513.650, 292.44, 3.50, 4.00
** 465119.507, 3767514.249, 291.76, 3.50, 4.00
** 465119.997, 3767475.829, 291.48, 3.50, 4.00
** 465030.970, 3767475.212, 291.91, 3.50, 4.00
** ----------------------------------------------------------------
   LOCATION L0000587     VOLUME   465036.118 3767513.680 292.52
   LOCATION L0000588     VOLUME   465044.708 3767513.738 292.45
   LOCATION L0000589     VOLUME   465053.299 3767513.797 292.35
   LOCATION L0000590     VOLUME   465061.890 3767513.855 292.25
   LOCATION L0000591     VOLUME   465070.480 3767513.914 292.15
   LOCATION L0000592     VOLUME   465079.071 3767513.973 292.08
   LOCATION L0000593     VOLUME   465087.661 3767514.031 292.00
   LOCATION L0000594     VOLUME   465096.252 3767514.090 291.94
   LOCATION L0000595     VOLUME   465104.843 3767514.149 291.88
   LOCATION L0000596     VOLUME   465113.433 3767514.207 291.83
   LOCATION L0000597     VOLUME   465119.539 3767511.732 291.78
   LOCATION L0000598     VOLUME   465119.648 3767503.142 291.73
   LOCATION L0000599     VOLUME   465119.758 3767494.552 291.66
   LOCATION L0000600     VOLUME   465119.867 3767485.962 291.59
   LOCATION L0000601     VOLUME   465119.977 3767477.372 291.51
   LOCATION L0000602     VOLUME   465112.949 3767475.780 291.56
   LOCATION L0000603     VOLUME   465104.358 3767475.721 291.62
   LOCATION L0000604     VOLUME   465095.768 3767475.661 291.69
   LOCATION L0000605     VOLUME   465087.177 3767475.602 291.73
   LOCATION L0000606     VOLUME   465078.586 3767475.542 291.76
   LOCATION L0000607     VOLUME   465069.996 3767475.483 291.80
   LOCATION L0000608     VOLUME   465061.405 3767475.423 291.83
   LOCATION L0000609     VOLUME   465052.815 3767475.364 291.87
   LOCATION L0000610     VOLUME   465044.224 3767475.304 291.91
   LOCATION L0000611     VOLUME   465035.633 3767475.245 291.97
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      465034.070  3767475.500      291.980
** DESCRSRC Idle Location 1
   LOCATION STCK2        POINT      465033.780  3767514.070      292.540
** DESCRSRC Idling Location 2
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000522     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000523     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000524     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000525     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000526     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000527     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000528     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000529     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000530     0.0000001418      3.50      4.00      1.63
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   SRCPARAM L0000531     0.0000001418      3.50      4.00      1.63
   SRCPARAM L0000532     0.0000001418      3.50      4.00      1.63
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000475     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000476     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000477     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000478     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000479     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000480     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000481     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000482     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000483     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000484     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000485     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000486     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000487     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000488     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000489     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000490     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000491     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000492     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000493     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000494     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000495     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000496     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000497     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000498     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000499     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000500     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000501     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000502     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000503     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000504     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000505     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000506     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000507     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000508     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000509     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000510     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000511     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000512     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000513     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000514     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000515     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000516     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000517     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000518     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000519     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000520     0.00000006936      3.50      4.00      1.63
   SRCPARAM L0000521     0.00000006936      3.50      4.00      1.63
```

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** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000533     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000534     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000535     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000536     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000537     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000538     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000539     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000540     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000541     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000542     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000543     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000544     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000545     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000546     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000547     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000548     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000549     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000550     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000551     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000552     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000553     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000554     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000555     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000556     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000557     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000558     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000559     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000560     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000561     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000562     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000563     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000564     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000565     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000566     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000567     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000568     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000569     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000570     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000571     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000572     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000573     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000574     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000575     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000576     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000577     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000578     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000579     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000580     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000581     0.0000000687      3.50      4.00      1.63
```

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   SRCPARAM L0000582     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000583     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000584     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000585     0.0000000687      3.50      4.00      1.63
   SRCPARAM L0000586     0.0000000687      3.50      4.00      1.63
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000587     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000588     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000589     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000590     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000591     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000592     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000593     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000594     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000595     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000596     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000597     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000598     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000599     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000600     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000601     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000602     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000603     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000604     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000605     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000606     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000607     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000608     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000609     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000610     0.0000003372      3.50      4.00      3.25
   SRCPARAM L0000611     0.0000003372      3.50      4.00      3.25
** ----------------------------------------------------------------------
   SRCPARAM STCK1         0.000126     3.500   366.000  51.90000     0.100
   SRCPARAM STCK2         0.000126     3.500   366.000  51.90000     0.100
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "19495 Lilac Ave Truck Repair HRA - 2-year.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
```

```
**
**
ME STARTING
   SURFFILE ..\FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE ..\FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "19495 LILAC AVE TRUCK REPAIR HRA - 2-YEAR.AD\PE00GALL.PLT" 31
   SUMMFILE "19495 Lilac Ave Truck Repair HRA - 2-year.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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


 *** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
 *** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                      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   139 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  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
       TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  PM_2.5

**Model Calculates PERIOD Averages Only

**This Run Includes:    139 Source(s);       1 Source Group(s); and     449 Receptor(s)

               with:      2 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    137 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 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) =   367.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                            ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

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

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

**Detailed Error/Message File:   19495 Lilac Ave Truck Repair HRA - 2-year.err
**File for Summary of Results:   19495 Lilac Ave Truck Repair HRA - 2-year.sum

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                    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   0.12600E-03  465034.1 3767475.5   292.0     3.50   366.00    51.90     0.10    NO      YES   NO
STCK2           0   0.12600E-03  465033.8 3767514.1   292.5     3.50   366.00    51.90     0.10    NO      YES   NO

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                    PAGE   3
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** VOLUME SOURCE DATA ***

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

L0000522        0   0.14180E-06  465023.5 3767477.0   292.1     3.50     4.00     1.63     YES
L0000523        0   0.14180E-06  465023.5 3767485.6   292.2     3.50     4.00     1.63     YES
```

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L0000524         0   0.14180E-06  465023.6 3767494.2   292.3     3.50     4.00     1.63     YES
L0000525         0   0.14180E-06  465023.6 3767502.8   292.5     3.50     4.00     1.63     YES
L0000526         0   0.14180E-06  465023.6 3767511.4   292.6     3.50     4.00     1.63     YES
L0000527         0   0.14180E-06  465023.6 3767520.0   292.7     3.50     4.00     1.63     YES
L0000528         0   0.14180E-06  465023.6 3767528.6   292.8     3.50     4.00     1.63     YES
L0000529         0   0.14180E-06  465023.6 3767537.1   292.9     3.50     4.00     1.63     YES
L0000530         0   0.14180E-06  465023.6 3767545.7   293.0     3.50     4.00     1.63     YES
L0000531         0   0.14180E-06  465023.6 3767554.3   293.1     3.50     4.00     1.63     YES
L0000532         0   0.14180E-06  465023.6 3767562.9   293.2     3.50     4.00     1.63     YES
L0000475         0   0.69360E-07  465019.1 3767573.5   293.4     3.50     4.00     1.63     YES
L0000476         0   0.69360E-07  465010.5 3767573.5   293.4     3.50     4.00     1.63     YES
L0000477         0   0.69360E-07  465001.9 3767573.6   293.5     3.50     4.00     1.63     YES
L0000478         0   0.69360E-07  464993.3 3767573.6   293.6     3.50     4.00     1.63     YES
L0000479         0   0.69360E-07  464984.7 3767573.6   293.6     3.50     4.00     1.63     YES
L0000480         0   0.69360E-07  464976.1 3767573.7   293.7     3.50     4.00     1.63     YES
L0000481         0   0.69360E-07  464967.5 3767573.7   293.7     3.50     4.00     1.63     YES
L0000482         0   0.69360E-07  464958.9 3767573.8   293.8     3.50     4.00     1.63     YES
L0000483         0   0.69360E-07  464950.3 3767573.8   293.8     3.50     4.00     1.63     YES
L0000484         0   0.69360E-07  464941.7 3767573.9   293.9     3.50     4.00     1.63     YES
L0000485         0   0.69360E-07  464933.1 3767573.9   293.9     3.50     4.00     1.63     YES
L0000486         0   0.69360E-07  464924.6 3767574.0   294.0     3.50     4.00     1.63     YES
L0000487         0   0.69360E-07  464916.0 3767574.0   294.1     3.50     4.00     1.63     YES
L0000488         0   0.69360E-07  464907.4 3767574.1   294.2     3.50     4.00     1.63     YES
L0000489         0   0.69360E-07  464898.8 3767574.1   294.2     3.50     4.00     1.63     YES
L0000490         0   0.69360E-07  464890.2 3767574.2   294.3     3.50     4.00     1.63     YES
L0000491         0   0.69360E-07  464881.6 3767574.2   294.4     3.50     4.00     1.63     YES
L0000492         0   0.69360E-07  464873.0 3767574.3   294.4     3.50     4.00     1.63     YES
L0000493         0   0.69360E-07  464864.4 3767574.3   294.5     3.50     4.00     1.63     YES
L0000494         0   0.69360E-07  464855.8 3767574.4   294.5     3.50     4.00     1.63     YES
L0000495         0   0.69360E-07  464847.2 3767574.4   294.6     3.50     4.00     1.63     YES
L0000496         0   0.69360E-07  464838.6 3767574.5   294.7     3.50     4.00     1.63     YES
L0000497         0   0.69360E-07  464830.1 3767574.5   294.7     3.50     4.00     1.63     YES
L0000498         0   0.69360E-07  464821.5 3767574.6   294.7     3.50     4.00     1.63     YES
L0000499         0   0.69360E-07  464812.9 3767574.6   294.7     3.50     4.00     1.63     YES
L0000500         0   0.69360E-07  464804.3 3767574.7   294.8     3.50     4.00     1.63     YES
L0000501         0   0.69360E-07  464795.7 3767574.7   294.9     3.50     4.00     1.63     YES
L0000502         0   0.69360E-07  464787.1 3767574.8   295.0     3.50     4.00     1.63     YES
L0000503         0   0.69360E-07  464778.5 3767574.8   295.0     3.50     4.00     1.63     YES
```


*** VOLUME SOURCE DATA ***

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

L0000504	0	0.69360E-07	464769.9	3767574.9	295.1	3.50	4.00	1.63	YES
L0000505	0	0.69360E-07	464761.3	3767574.9	295.2	3.50	4.00	1.63	YES
L0000506	0	0.69360E-07	464752.7	3767575.0	295.2	3.50	4.00	1.63	YES
L0000507	0	0.69360E-07	464744.2	3767575.0	295.3	3.50	4.00	1.63	YES
L0000508	0	0.69360E-07	464735.6	3767575.1	295.3	3.50	4.00	1.63	YES
L0000509	0	0.69360E-07	464727.0	3767575.1	295.4	3.50	4.00	1.63	YES
L0000510	0	0.69360E-07	464718.4	3767575.2	295.5	3.50	4.00	1.63	YES
L0000511	0	0.69360E-07	464709.8	3767575.2	295.6	3.50	4.00	1.63	YES
L0000512	0	0.69360E-07	464701.2	3767575.3	295.7	3.50	4.00	1.63	YES
L0000513	0	0.69360E-07	464692.6	3767575.3	295.8	3.50	4.00	1.63	YES
L0000514	0	0.69360E-07	464684.0	3767575.4	295.9	3.50	4.00	1.63	YES
L0000515	0	0.69360E-07	464675.4	3767575.4	295.9	3.50	4.00	1.63	YES
L0000516	0	0.69360E-07	464666.8	3767575.5	296.0	3.50	4.00	1.63	YES
L0000517	0	0.69360E-07	464658.2	3767575.5	296.1	3.50	4.00	1.63	YES
L0000518	0	0.69360E-07	464649.7	3767575.6	296.2	3.50	4.00	1.63	YES
L0000519	0	0.69360E-07	464641.1	3767575.6	296.2	3.50	4.00	1.63	YES
L0000520	0	0.69360E-07	464632.5	3767575.7	296.2	3.50	4.00	1.63	YES
L0000521	0	0.69360E-07	464623.9	3767575.7	296.3	3.50	4.00	1.63	YES
L0000533	0	0.68700E-07	465028.1	3767573.6	293.3	3.50	4.00	1.63	YES
L0000534	0	0.68700E-07	465036.6	3767573.7	293.2	3.50	4.00	1.63	YES
L0000535	0	0.68700E-07	465045.2	3767573.7	293.2	3.50	4.00	1.63	YES
L0000536	0	0.68700E-07	465053.8	3767573.8	293.1	3.50	4.00	1.63	YES
L0000537	0	0.68700E-07	465062.4	3767573.8	293.0	3.50	4.00	1.63	YES
L0000538	0	0.68700E-07	465071.0	3767573.9	292.9	3.50	4.00	1.63	YES
L0000539	0	0.68700E-07	465079.6	3767574.0	292.8	3.50	4.00	1.63	YES
L0000540	0	0.68700E-07	465088.2	3767574.0	292.7	3.50	4.00	1.63	YES
L0000541	0	0.68700E-07	465096.8	3767574.1	292.6	3.50	4.00	1.63	YES
L0000542	0	0.68700E-07	465105.4	3767574.2	292.6	3.50	4.00	1.63	YES
L0000543	0	0.68700E-07	465114.0	3767574.2	292.5	3.50	4.00	1.63	YES
L0000544	0	0.68700E-07	465122.5	3767574.3	292.5	3.50	4.00	1.63	YES
L0000545	0	0.68700E-07	465131.1	3767574.3	292.5	3.50	4.00	1.63	YES
L0000546	0	0.68700E-07	465139.7	3767574.4	292.5	3.50	4.00	1.63	YES
L0000547	0	0.68700E-07	465148.3	3767574.5	292.4	3.50	4.00	1.63	YES
L0000548	0	0.68700E-07	465156.9	3767574.5	292.4	3.50	4.00	1.63	YES
L0000549	0	0.68700E-07	465165.5	3767574.6	292.4	3.50	4.00	1.63	YES
L0000550	0	0.68700E-07	465174.1	3767574.6	292.4	3.50	4.00	1.63	YES
L0000551	0	0.68700E-07	465182.7	3767574.7	292.3	3.50	4.00	1.63	YES
L0000552	0	0.68700E-07	465191.3	3767574.8	292.3	3.50	4.00	1.63	YES
L0000553	0	0.68700E-07	465199.9	3767574.8	292.2	3.50	4.00	1.63	YES
L0000554	0	0.68700E-07	465208.5	3767574.9	292.2	3.50	4.00	1.63	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY
L0000555	0	0.68700E-07	465217.0	3767574.9	292.2	3.50	4.00	1.63	YES	
L0000556	0	0.68700E-07	465225.6	3767575.0	292.2	3.50	4.00	1.63	YES	
L0000557	0	0.68700E-07	465234.2	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000558	0	0.68700E-07	465242.8	3767575.1	292.2	3.50	4.00	1.63	YES	
L0000559	0	0.68700E-07	465251.4	3767575.2	292.2	3.50	4.00	1.63	YES	
L0000560	0	0.68700E-07	465260.0	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000561	0	0.68700E-07	465268.6	3767575.3	292.2	3.50	4.00	1.63	YES	
L0000562	0	0.68700E-07	465277.2	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000563	0	0.68700E-07	465285.8	3767575.4	292.1	3.50	4.00	1.63	YES	
L0000564	0	0.68700E-07	465294.4	3767575.5	292.1	3.50	4.00	1.63	YES	
L0000565	0	0.68700E-07	465303.0	3767575.6	292.2	3.50	4.00	1.63	YES	
L0000566	0	0.68700E-07	465311.5	3767575.6	292.4	3.50	4.00	1.63	YES	
L0000567	0	0.68700E-07	465320.1	3767575.7	292.6	3.50	4.00	1.63	YES	
L0000568	0	0.68700E-07	465328.7	3767575.7	292.7	3.50	4.00	1.63	YES	
L0000569	0	0.68700E-07	465337.3	3767575.8	292.9	3.50	4.00	1.63	YES	
L0000570	0	0.68700E-07	465345.9	3767575.9	293.0	3.50	4.00	1.63	YES	
L0000571	0	0.68700E-07	465354.5	3767575.9	293.2	3.50	4.00	1.63	YES	
L0000572	0	0.68700E-07	465363.1	3767576.0	293.4	3.50	4.00	1.63	YES	
L0000573	0	0.68700E-07	465371.7	3767576.0	293.7	3.50	4.00	1.63	YES	
L0000574	0	0.68700E-07	465380.3	3767576.1	294.0	3.50	4.00	1.63	YES	
L0000575	0	0.68700E-07	465388.9	3767576.2	294.4	3.50	4.00	1.63	YES	
L0000576	0	0.68700E-07	465397.4	3767576.2	294.9	3.50	4.00	1.63	YES	
L0000577	0	0.68700E-07	465406.0	3767576.3	295.0	3.50	4.00	1.63	YES	
L0000578	0	0.68700E-07	465414.6	3767576.3	294.9	3.50	4.00	1.63	YES	
L0000579	0	0.68700E-07	465423.2	3767576.4	294.7	3.50	4.00	1.63	YES	
L0000580	0	0.68700E-07	465431.8	3767576.6	294.8	3.50	4.00	1.63	YES	
L0000581	0	0.68700E-07	465440.4	3767576.7	295.0	3.50	4.00	1.63	YES	
L0000582	0	0.68700E-07	465449.0	3767576.5	295.2	3.50	4.00	1.63	YES	
L0000583	0	0.68700E-07	465457.6	3767576.2	295.4	3.50	4.00	1.63	YES	
L0000584	0	0.68700E-07	465466.2	3767576.0	295.4	3.50	4.00	1.63	YES	
L0000585	0	0.68700E-07	465474.7	3767575.7	295.5	3.50	4.00	1.63	YES	
L0000586	0	0.68700E-07	465483.3	3767575.4	295.6	3.50	4.00	1.63	YES	
L0000587	0	0.33720E-06	465036.1	3767513.7	292.5	3.50	4.00	3.25	YES	
L0000588	0	0.33720E-06	465044.7	3767513.7	292.4	3.50	4.00	3.25	YES	
L0000589	0	0.33720E-06	465053.3	3767513.8	292.4	3.50	4.00	3.25	YES	
L0000590	0	0.33720E-06	465061.9	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000591	0	0.33720E-06	465070.5	3767513.9	292.2	3.50	4.00	3.25	YES	
L0000592	0	0.33720E-06	465079.1	3767514.0	292.1	3.50	4.00	3.25	YES	
L0000593	0	0.33720E-06	465087.7	3767514.0	292.0	3.50	4.00	3.25	YES	
L0000594	0	0.33720E-06	465096.3	3767514.1	291.9	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000595	0	0.33720E-06	465104.8	3767514.1	291.9	3.50	4.00	3.25	YES	
L0000596	0	0.33720E-06	465113.4	3767514.2	291.8	3.50	4.00	3.25	YES	
L0000597	0	0.33720E-06	465119.5	3767511.7	291.8	3.50	4.00	3.25	YES	
L0000598	0	0.33720E-06	465119.6	3767503.1	291.7	3.50	4.00	3.25	YES	
L0000599	0	0.33720E-06	465119.8	3767494.6	291.7	3.50	4.00	3.25	YES	
L0000600	0	0.33720E-06	465119.9	3767486.0	291.6	3.50	4.00	3.25	YES	
L0000601	0	0.33720E-06	465120.0	3767477.4	291.5	3.50	4.00	3.25	YES	
L0000602	0	0.33720E-06	465112.9	3767475.8	291.6	3.50	4.00	3.25	YES	
L0000603	0	0.33720E-06	465104.4	3767475.7	291.6	3.50	4.00	3.25	YES	
L0000604	0	0.33720E-06	465095.8	3767475.7	291.7	3.50	4.00	3.25	YES	
L0000605	0	0.33720E-06	465087.2	3767475.6	291.7	3.50	4.00	3.25	YES	
L0000606	0	0.33720E-06	465078.6	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000607	0	0.33720E-06	465070.0	3767475.5	291.8	3.50	4.00	3.25	YES	
L0000608	0	0.33720E-06	465061.4	3767475.4	291.8	3.50	4.00	3.25	YES	
L0000609	0	0.33720E-06	465052.8	3767475.4	291.9	3.50	4.00	3.25	YES	
L0000610	0	0.33720E-06	465044.2	3767475.3	291.9	3.50	4.00	3.25	YES	
L0000611	0	0.33720E-06	465035.6	3767475.2	292.0	3.50	4.00	3.25	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 , L0000529 ,
	L0000530 , L0000531 , L0000532 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 ,
	L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 ,
	L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 ,
	L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 ,
	L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 ,
	L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,

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            L0000520    , L0000521    , L0000533    , L0000534    , L0000535    , L0000536    , L0000537    , L0000538    ,
            L0000539    , L0000540    , L0000541    , L0000542    , L0000543    , L0000544    , L0000545    , L0000546    ,
            L0000547    , L0000548    , L0000549    , L0000550    , L0000551    , L0000552    , L0000553    , L0000554    ,
            L0000555    , L0000556    , L0000557    , L0000558    , L0000559    , L0000560    , L0000561    , L0000562    ,
            L0000563    , L0000564    , L0000565    , L0000566    , L0000567    , L0000568    , L0000569    , L0000570    ,
            L0000571    , L0000572    , L0000573    , L0000574    , L0000575    , L0000576    , L0000577    , L0000578    ,
            L0000579    , L0000580    , L0000581    , L0000582    , L0000583    , L0000584    , L0000585    , L0000586    ,
            L0000587    , L0000588    , L0000589    , L0000590    , L0000591    , L0000592    , L0000593    , L0000594    ,
            L0000595    , L0000596    , L0000597    , L0000598    , L0000599    , L0000600    , L0000601    , L0000602    ,
            L0000603    , L0000604    , L0000605    , L0000606    , L0000607    , L0000608    , L0000609    , L0000610    ,
            L0000611    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 URBAN ID   URBAN POP                                SOURCE IDs
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             2035210.   L0000522    , L0000523    , L0000524    , L0000525    , L0000526    , L0000527    , L0000528    ,
L0000529    ,
            L0000530    , L0000531    , L0000532    , L0000475    , L0000476    , L0000477    , L0000478    , L0000479    ,
            L0000480    , L0000481    , L0000482    , L0000483    , L0000484    , L0000485    , L0000486    , L0000487    ,
            L0000488    , L0000489    , L0000490    , L0000491    , L0000492    , L0000493    , L0000494    , L0000495    ,
            L0000496    , L0000497    , L0000498    , L0000499    , L0000500    , L0000501    , L0000502    , L0000503    ,
            L0000504    , L0000505    , L0000506    , L0000507    , L0000508    , L0000509    , L0000510    , L0000511    ,
            L0000512    , L0000513    , L0000514    , L0000515    , L0000516    , L0000517    , L0000518    , L0000519    ,
            L0000520    , L0000521    , L0000533    , L0000534    , L0000535    , L0000536    , L0000537    , L0000538    ,
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           L0000539    , L0000540    , L0000541    , L0000542    , L0000543    , L0000544    , L0000545    , L0000546    ,
           L0000547    , L0000548    , L0000549    , L0000550    , L0000551    , L0000552    , L0000553    , L0000554    ,
           L0000555    , L0000556    , L0000557    , L0000558    , L0000559    , L0000560    , L0000561    , L0000562    ,
           L0000563    , L0000564    , L0000565    , L0000566    , L0000567    , L0000568    , L0000569    , L0000570    ,
           L0000571    , L0000572    , L0000573    , L0000574    , L0000575    , L0000576    , L0000577    , L0000578    ,
           L0000579    , L0000580    , L0000581    , L0000582    , L0000583    , L0000584    , L0000585    , L0000586    ,
           L0000587    , L0000588    , L0000589    , L0000590    , L0000591    , L0000592    , L0000593    , L0000594    ,
           L0000595    , L0000596    , L0000597    , L0000598    , L0000599    , L0000600    , L0000601    , L0000602    ,
           L0000603    , L0000604    , L0000605    , L0000606    , L0000607    , L0000608    , L0000609    , L0000610    ,
           L0000611    , STCK1       , STCK2       ,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                     PAGE   9
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                    *** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

     464598.6,  464647.5,  464696.4,  464745.3,  464794.3,  464843.2,  464892.1,  464941.0,  464989.9,  465038.8,
     465087.7,  465136.6,  465185.5,  465234.5,  465283.4,  465332.3,  465381.2,  465430.1,  465479.0,  465527.9,
     465576.8,

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

    3767020.6, 3767068.9, 3767117.2, 3767165.5, 3767213.8, 3767262.1, 3767310.4, 3767358.7, 3767407.0, 3767455.3,
    3767503.6, 3767551.9, 3767600.2, 3767648.5, 3767696.8, 3767745.1, 3767793.4, 3767841.7, 3767890.0, 3767938.3,
    3767986.6,

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

                                      * ELEVATION HEIGHTS IN METERS *
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Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	282.50
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	285.40	279.30
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	286.90	279.00
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	278.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70
3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90
3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	294.70	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	292.00	293.80
3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90

3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	285.50	282.40	280.10
3767262.11	289.40	288.70	288.20	286.60	283.40	280.90	279.70	279.50	279.40
3767213.81	287.20	284.70	281.80	279.90	279.50	279.60	279.60	279.50	279.50
3767165.51	280.00	278.90	278.70	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	284.40	288.90	291.90
3767310.41	279.60	283.10	289.80
3767262.11	279.60	279.80	284.20
3767213.81	279.70	279.50	280.30
3767165.51	279.70	279.50	279.60
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	302.10	301.70	301.40	300.90	299.90	299.60	299.50	299.30	299.10
3767938.31	301.60	301.30	300.60	300.20	299.60	299.10	298.80	298.50	298.30
3767890.01	301.10	300.80	300.10	299.50	299.20	298.50	298.10	297.70	297.70
3767841.71	300.10	300.00	299.50	299.00	298.70	297.90	297.60	296.80	296.80
3767793.41	299.40	299.20	298.80	298.50	298.20	297.40	296.80	296.30	296.10
3767745.11	298.70	298.40	298.10	297.80	297.70	296.80	296.10	295.60	295.40
3767696.81	298.00	297.80	297.40	296.90	296.60	296.10	295.60	295.00	294.80
3767648.51	297.40	297.10	296.70	296.30	295.90	295.50	295.10	294.60	294.40
3767600.21	296.80	296.40	296.10	295.50	295.20	295.00	294.70	294.20	293.90
3767551.91	296.30	295.80	295.40	295.00	294.60	294.30	293.90	293.60	293.30
3767503.61	295.90	295.00	294.60	294.30	293.80	293.40	293.10	292.80	292.60
3767455.31	295.20	294.30	293.90	293.60	293.10	292.70	292.40	292.00	291.90
3767407.01	294.50	293.60	293.30	293.10	292.60	292.10	291.80	291.40	291.20
3767358.71	293.80	293.00	292.60	292.40	292.00	291.50	291.10	290.80	290.50
3767310.41	293.10	292.30	292.00	291.70	291.40	290.90	290.50	290.30	289.90
3767262.11	293.00	291.60	291.30	291.00	290.60	290.30	289.90	289.60	289.50
3767213.81	293.80	291.20	290.80	290.40	290.00	289.60	289.20	289.00	288.70
3767165.51	295.00	292.50	290.20	290.00	289.50	289.10	288.60	287.00	289.10
3767117.21	294.70	293.40	290.00	289.60	289.20	288.50	287.30	287.40	288.80
3767068.91	294.40	293.90	291.00	289.60	288.90	289.00	288.80	287.50	288.50
3767020.61	293.80	293.50	290.90	289.60	288.80	289.10	288.70	286.60	288.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	298.80	298.60	298.40	299.30	302.10	301.70	301.60	301.40	301.10
3767938.31	298.10	297.90	297.50	298.40	301.70	301.50	301.40	301.10	300.70
3767890.01	297.20	297.00	297.00	297.30	299.60	300.10	300.00	300.00	300.40
3767841.71	296.70	296.80	296.70	296.90	299.00	299.80	299.80	299.90	299.90
3767793.41	296.30	296.50	296.50	296.70	298.80	299.60	299.50	299.50	299.20
3767745.11	295.50	295.50	295.40	295.50	297.00	298.90	299.20	299.00	298.50
3767696.81	294.60	294.30	294.20	294.00	294.40	297.20	298.90	298.90	297.70
3767648.51	294.00	293.60	293.50	293.20	293.30	294.20	297.70	298.40	296.90

3767600.21	293.50	293.00	292.70	292.50	292.50	292.70	298.00	296.60	295.70
3767551.91	293.00	292.40	292.20	292.10	291.90	291.60	291.60	297.20	293.80
3767503.61	292.40	291.90	291.60	291.20	290.90	290.80	290.50	290.30	291.90
3767455.31	291.60	291.40	291.00	290.50	290.20	289.90	289.60	289.50	290.00
3767407.01	290.90	290.60	290.30	289.90	289.50	289.20	289.00	288.90	288.80
3767358.71	290.30	290.00	289.70	289.40	289.10	288.70	288.50	288.10	286.70
3767310.41	289.80	289.40	289.10	288.80	288.50	287.50	287.20	288.20	288.60
3767262.11	289.40	288.70	288.20	286.60	288.40	288.60	288.30	279.50	279.40
3767213.81	287.20	287.90	288.50	288.80	288.40	279.60	279.60	279.50	279.50
3767165.51	289.50	289.30	288.30	279.10	279.70	279.80	279.70	279.50	279.60
3767117.21	279.10	278.90	278.40	278.80	279.50	279.90	279.70	279.70	279.70
3767068.91	279.30	279.10	278.30	278.40	279.20	279.90	279.70	279.70	279.70
3767020.61	279.90	279.40	278.40	278.00	278.70	279.60	279.70	279.70	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 465479.00	465527.91	465576.82
3767986.61	300.90	300.70	299.90
3767938.31	300.80	300.60	299.80
3767890.01	300.50	300.20	299.30
3767841.71	299.90	299.60	298.60
3767793.41	299.40	299.00	298.50
3767745.11	298.70	298.50	298.10
3767696.81	297.80	297.60	297.40
3767648.51	297.00	296.70	296.60
3767600.21	296.30	296.10	296.00
3767551.91	295.10	295.40	295.50
3767503.61	294.80	294.90	294.70
3767455.31	293.30	294.30	294.20
3767407.01	289.80	293.10	293.30
3767358.71	294.10	292.40	291.90
3767310.41	294.10	293.60	290.90
3767262.11	279.60	292.70	292.80
3767213.81	279.70	292.70	292.80
3767165.51	279.70	279.50	292.70
3767117.21	279.70	279.30	279.20
3767068.91	279.60	279.30	279.40
3767020.61	279.60	279.60	279.70

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
( 464869.8, 3767597.0,     294.7,     294.7,       0.0);         ( 464957.6, 3767607.1,     294.1,     294.1,       0.0);
( 465062.7, 3767601.1,     293.3,     293.3,       0.0);         ( 465104.4, 3767603.5,     292.9,     292.9,       0.0);
( 465156.6, 3767552.1,     292.2,     292.2,       0.0);         ( 465301.5, 3767553.8,     291.7,     291.7,       0.0);
( 465168.8, 3767603.7,     292.6,     292.6,       0.0);         ( 464745.0, 3767602.9,     295.6,     295.6,       0.0);
```


*** 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:   ..\FONT_V9_ADJU\FONT_v9.SFC                                                  Met Version:  16216
Profile file:   ..\FONT_V9_ADJU\FONT_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.:     3102                 Upper air station no.:     3190
               Name: UNKNOWN                                   Name: UNKNOWN
```

Year: 2011 Year: 2011

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
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	64.	9.1	277.5	5.5
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82	1.00	0.90	52.	9.1	277.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000522 , L0000523 , L0000524 , L0000525 , L0000526 ,
L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000475 , L0000476 ,
L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 ,
L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	464598.62	464647.53	464696.44	464745.35	464794.26	464843.17	464892.08	464940.99	464989.90
3767986.61	0.00035	0.00038	0.00042	0.00045	0.00050	0.00053	0.00056	0.00059	0.00062
3767938.31	0.00039	0.00043	0.00048	0.00052	0.00057	0.00062	0.00067	0.00071	0.00074
3767890.01	0.00044	0.00048	0.00054	0.00060	0.00066	0.00074	0.00080	0.00087	0.00091
3767841.71	0.00049	0.00055	0.00062	0.00070	0.00078	0.00089	0.00098	0.00110	0.00116
3767793.41	0.00056	0.00063	0.00072	0.00082	0.00093	0.00108	0.00124	0.00139	0.00150
3767745.11	0.00063	0.00073	0.00084	0.00097	0.00112	0.00135	0.00158	0.00181	0.00200
3767696.81	0.00072	0.00084	0.00099	0.00119	0.00141	0.00170	0.00204	0.00244	0.00278
3767648.51	0.00082	0.00099	0.00121	0.00145	0.00176	0.00217	0.00270	0.00339	0.00405
3767600.21	0.00098	0.00139	0.00169	0.00201	0.00241	0.00296	0.00378	0.00501	0.00654
3767551.91	0.00106	0.00150	0.00183	0.00221	0.00274	0.00352	0.00481	0.00697	0.01028
3767503.61	0.00105	0.00132	0.00164	0.00207	0.00272	0.00375	0.00553	0.00885	0.01373
3767455.31	0.00109	0.00135	0.00169	0.00216	0.00290	0.00405	0.00604	0.00973	0.01590
3767407.01	0.00113	0.00140	0.00174	0.00222	0.00294	0.00404	0.00581	0.00869	0.01226
3767358.71	0.00115	0.00142	0.00175	0.00220	0.00284	0.00375	0.00505	0.00668	0.00782
3767310.41	0.00116	0.00140	0.00170	0.00209	0.00263	0.00332	0.00415	0.00495	0.00527
3767262.11	0.00114	0.00135	0.00161	0.00194	0.00235	0.00284	0.00333	0.00370	0.00379
3767213.81	0.00110	0.00128	0.00150	0.00177	0.00208	0.00240	0.00268	0.00285	0.00284
3767165.51	0.00107	0.00121	0.00139	0.00160	0.00181	0.00202	0.00218	0.00222	0.00205
3767117.21	0.00102	0.00115	0.00127	0.00143	0.00158	0.00171	0.00179	0.00178	0.00161
3767068.91	0.00097	0.00108	0.00117	0.00128	0.00138	0.00148	0.00153	0.00151	0.00135
3767020.61	0.00090	0.00099	0.00106	0.00114	0.00121	0.00128	0.00130	0.00128	0.00115

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000522 , L0000523 , L0000524 , L0000525 , L0000526 ,
L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000475 , L0000476 ,
L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 ,
L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	465038.81	465087.72	465136.63	465185.54	465234.45	465283.36	465332.27	465381.18	465430.09
3767986.61	0.00064	0.00067	0.00069	0.00070	0.00069	0.00075	0.00081	0.00087	0.00093
3767938.31	0.00078	0.00081	0.00086	0.00087	0.00085	0.00093	0.00101	0.00109	0.00114
3767890.01	0.00097	0.00102	0.00107	0.00112	0.00113	0.00121	0.00131	0.00137	0.00140
3767841.71	0.00122	0.00128	0.00136	0.00145	0.00148	0.00159	0.00168	0.00172	0.00171

3767793.41	0.00157	0.00165	0.00178	0.00194	0.00200	0.00212	0.00218	0.00215	0.00205
3767745.11	0.00213	0.00229	0.00254	0.00276	0.00285	0.00287	0.00280	0.00263	0.00241
3767696.81	0.00307	0.00345	0.00386	0.00407	0.00398	0.00379	0.00351	0.00313	0.00271
3767648.51	0.00472	0.00562	0.00619	0.00595	0.00526	0.00461	0.00417	0.00354	0.00289
3767600.21	0.00817	0.01057	0.01043	0.00856	0.00671	0.00533	0.00458	0.00386	0.00320
3767551.91	0.01363	0.02107	0.01558	0.01044	0.00731	0.00540	0.00418	0.00336	0.00289
3767503.61	0.01185	0.02756	0.01722	0.00952	0.00632	0.00457	0.00348	0.00275	0.00226
3767455.31	0.01292	0.01473	0.01048	0.00683	0.00486	0.00365	0.00285	0.00230	0.00191
3767407.01	0.01128	0.00822	0.00614	0.00462	0.00357	0.00283	0.00230	0.00190	0.00160
3767358.71	0.00720	0.00561	0.00433	0.00341	0.00274	0.00224	0.00187	0.00158	0.00134
3767310.41	0.00486	0.00403	0.00326	0.00266	0.00220	0.00182	0.00151	0.00126	0.00108
3767262.11	0.00351	0.00301	0.00253	0.00209	0.00170	0.00142	0.00122	0.00107	0.00094
3767213.81	0.00259	0.00222	0.00186	0.00158	0.00138	0.00121	0.00106	0.00094	0.00084
3767165.51	0.00187	0.00167	0.00149	0.00133	0.00119	0.00106	0.00094	0.00084	0.00076
3767117.21	0.00152	0.00139	0.00126	0.00114	0.00103	0.00093	0.00084	0.00076	0.00069
3767068.91	0.00128	0.00118	0.00108	0.00098	0.00090	0.00083	0.00075	0.00069	0.00063
3767020.61	0.00110	0.00102	0.00094	0.00086	0.00080	0.00074	0.00068	0.00062	0.00057

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000522 , L0000523 , L0000524 , L0000525 , L0000526 ,
L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000475 , L0000476 ,
L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 ,
L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , . . . ,

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	465479.00	465527.91	465576.82
3767986.61	0.00097	0.00098	0.00099
3767938.31	0.00116	0.00116	0.00114
3767890.01	0.00139	0.00136	0.00130
3767841.71	0.00166	0.00157	0.00146
3767793.41	0.00193	0.00177	0.00161
3767745.11	0.00218	0.00194	0.00172
3767696.81	0.00236	0.00204	0.00176
3767648.51	0.00245	0.00204	0.00173
3767600.21	0.00261	0.00201	0.00166
3767551.91	0.00238	0.00184	0.00152
3767503.61	0.00193	0.00160	0.00135
3767455.31	0.00163	0.00138	0.00119
3767407.01	0.00138	0.00120	0.00105
3767358.71	0.00114	0.00104	0.00093

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 3767310.41 |       0.00095      0.00087      0.00082
 3767262.11 |       0.00084      0.00076      0.00071
 3767213.81 |       0.00076      0.00068      0.00062
 3767165.51 |       0.00069      0.00062      0.00057
 3767117.21 |       0.00063      0.00057      0.00052
 3767068.91 |       0.00057      0.00053      0.00048
 3767020.61 |       0.00053      0.00049      0.00045

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                    PAGE  22
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     L0000522    , L0000523    , L0000524    , L0000525    , L0000526    ,
               L0000527    , L0000528    , L0000529    , L0000530    , L0000531    , L0000532    , L0000475    , L0000476    ,
               L0000477    , L0000478    , L0000479    , L0000480    , L0000481    , L0000482    , L0000483    , L0000484    ,
               L0000485    , L0000486    , L0000487    , L0000488    , L0000489    , L0000490    , L0000491    ,  . . .      ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_2.5   IN MICROGRAMS/M**3                      **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       464869.82    3767597.04       0.00348                     464957.59    3767607.14       0.00516
       465062.67    3767601.13       0.00925                     465104.41    3767603.47       0.01039
       465156.60    3767552.06       0.01321                     465301.54    3767553.80       0.00494
       465168.78    3767603.72       0.00898                     464744.95    3767602.86       0.00195

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                    PAGE  23
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


                                  ** CONC OF PM_2.5   IN MICROGRAMS/M**3                        **

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

ALL       1ST HIGHEST VALUE IS      0.02756 AT (  465087.72,  3767503.61,   291.90,   291.90,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS      0.02107 AT (  465087.72,  3767551.91,   292.40,   292.40,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS      0.01722 AT (  465136.63,  3767503.61,   291.60,   291.60,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      0.01590 AT (  464989.90,  3767455.31,   291.90,   291.90,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      0.01558 AT (  465136.63,  3767551.91,   292.20,   292.20,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      0.01473 AT (  465087.72,  3767455.31,   291.40,   291.40,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      0.01373 AT (  464989.90,  3767503.61,   292.60,   292.60,    0.00)  GC  UCART1
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         8TH HIGHEST VALUE IS       0.01363 AT (  465038.81,  3767551.91,   293.00,   293.00,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.01321 AT (  465156.60,  3767552.06,   292.24,   292.24,    0.00)  DC
        10TH HIGHEST VALUE IS       0.01292 AT (  465038.81,  3767455.31,   291.60,   291.60,    0.00)  GC  UCART1


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

*** AERMOD - VERSION 21112  ***   *** C:\Users\Cate\Desktop\HRA 19495\19495 Lilac Avenue Truck Repair Faci ***        08/23/22
*** AERMET - VERSION  16216 ***   *** DPM Concentrations for Lilac Avenue Truck Facility Project - 2 year  ***        15:39:36
                                                                                                                    PAGE  24
*** 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            9 Warning Message(s)
A Total of          838 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           40 Calm Hours Identified

A Total of          798 Missing Hours Identified (  1.82 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     391        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     392        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
ME W186     418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

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

Emission Assumptions **DPM** Emissions

19495 Lilac Avenue Truck Repair Facility Project

Facility Operations

Buildout year: 2024

Emission Factors

1) Onsite Vehicle Emissions

a) Truck

(1) EMFAC2021 - PM2.5 used as surrogate for DPM

(a) Annual Meteorology

Temperature: 50 degF

Relative Humidity: 50%

(b) Calculations for San Bernardino County

(c) Truck Mix

4+ axle heavy-heavy duty diesel trucks (HHDT)

4 axle diesel trucks (MHDT)

2 axle diesel trucks (LHDT2)

(d) Onsite Truck Travel Speed: 10 mph

(e) Off-site Truck Travel Speed: 35 mph

(f) Idle speed: 0 mph

(g) Truck Idle time: 15 minutes per truck per day

2) Other Parameters

(a) Width of Truck Source: 8.5 feet

(b) Truck Operational Schedule 24 hours/day

(c) Height of Truck: 13.5 feet

(d) Release Height: 3.5 meters

19495 Lilac Avenue Trucking Facility Project		**Emission:**	**DPM**									
Processes Modeled		**Build-out:**	**2024**									
Onsite delivery traffic												
Truck idling												
Offsite delivery traffic												
Facilities in Operation												
Location	**Truck type**	**Daily trucks**										
Project Site	HHDT	0										
Project Site	MHDT	0										
Project Site	LHDT2	112										
Total		**112**										
Delivery Schedule:												
	24	**hrs/day, 52 weeks/year**										
Emission Factors 1 Year (2024)	**Onsite**	**Offsite**										
	Exhaust	**Exhaust**	**Idle**									
Vehicle Class	**(g/mi)**	**(g/mi)**	**(g/hr)**									
HHDT	0.01217	0.00826	0.01537									
MHDT	0.03833	0.00897	0.07273									
LHDT2	0.05435	0.02193	0.77769									
Onsite Roadway Links Modeled												
Link	**Truck Type**	**Emission Factor (g/mi)**	**Trips per day (in and out)**	**Length (m)**	**Length (mi)**	**Daily Emissions Over the Link (g/day)**	**Emissions Over the Link (g/sec)**	**Emissions Over Link (lb/hr)**	**Daily Emissions (lbs/day)**	**Annual Avg Emissions Over Link (tons/yr)**	**Total Daily Emissions for all Vehicles (g/sec)**	
Project Driveway to Maintenance/Parking Areas	HHDT	0.01217	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Project Driveway to Maintenance/Parking Areas	MHDT	0.03833	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**9.41E-06**	100% of trucks
Project Driveway to Maintenance/Parking Areas	LHDT2	0.05435	112	215.1	0.13	8.13E-01	9.41E-06	6.45E+00	1.79E-03	3.27E-04		
Truck Idling	Idle time	15	minutes									
Building/Location	**Truck Type**	**Emission Factor (g/idle-hour)**	**Idling Time (min)**	**Daily Trucks**	**Total Emissions (g/day)**	**Max Hourly Emissions (g/sec)**	**Max Hourly Emissions (lb/hr)**	**Total Daily Emissions (lbs/day)**	**Total Emissions (tons/yr)**	**Total Emissions (tons/yr)**		
At project entrance/exit driveway	HHDT	0.01537	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
At project entrance/exit driveway	MHDT	0.07273	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		2.52E-04	
At project entrance/exit driveway	LHDT2	0.77769	15	112	21.78	2.52E-04	2.00E-03	4.80E-02	8.75E-03		**1.26E-04**	per idling location
												(2 total)
Offsite Roadway Links Modeled												
Link	**Truck Type**	**Emission Factor (g/mi)**	**Trips per day**	**Length (m)**	**Length (mi)**	**Daily Emissions Over the Link (g/day)**	**Emissions Over the Link (g/sec)**	**Max Hourly Emissions Over Link (lb/hr)**	**Daily Emissions (lbs/day)**	**Annual Avg Emissions Over Link (tons/yr)**		
Lilac Ave from Project Driveway to Jurupa Ave	HHDT	0.00826	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	100% of trucks	
Lilac Ave from Project Driveway to Jurupa Ave	MHDT	0.00897	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.71E-06**	
Lilac Ave from Project Driveway to Jurupa Ave	LHDT2	0.02193	112	96.6	0.06	1.47E-01	1.71E-06	1.17E+00	3.25E-04	5.92E-05		
Jurupa Ave west of Lilac Ave	HHDT	0.00826	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave west of Lilac Ave	MHDT	0.00897	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.57E-06**	
Jurupa Ave west of Lilac Ave	LHDT2	0.02193	112	404.8	0.25	6.18E-01	7.15E-06	4.90E+00	1.36E-03	2.48E-04		
Jurupa Ave east of Lilac Ave	HHDT	0.00826	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave east of Lilac Ave	MHDT	0.00897	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**4.07E-06**	
Jurupa Ave east of Lilac Ave	LHDT2	0.02193	112	461	0.29	7.03E-01	8.14E-06	5.58E+00	1.55E-03	2.83E-04		

19495 Lilac Avenue Trucking Facility Project | **Emission:** DPM | | | | | | | | | | | |

Processes Modeled | **Build-out:** 2024

Onsite delivery traffic
Truck idling
Offsite delivery traffic

Facilities in Operation

Location	Truck type	Daily trucks
Project Site	HHDT	0
Project Site	MHDT	0
Project Site	LHDT2	112
Total		**112**

Delivery Schedule: 24 **hrs/day, 52weeks/year**

Emission Factors 2 Year (2025-2026)

Vehicle Class	Onsite Exhaust (g/mi)	Offsite Exhaust (g/mi)	Idle (g/hr)
HHDT	0.01163	0.00785	0.01428
MHDT	0.02941	0.00714	0.05503
LHDT2	0.04865	0.02001	0.77753

Onsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day (in and out)	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)	Total Daily Emissions for all Vehicles (g/sec)	
Project Driveway to Maintenance/Parking Areas	HHDT	0.01163	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Project Driveway to Maintenance/Parking Areas	MHDT	0.02941	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**8.43E-06**	100% of trucks
Project Driveway to Maintenance/Parking Areas	LHDT2	0.04865	112	215.1	0.13	7.28E-01	8.43E-06	5.77E+00	1.60E-03	2.93E-04		

Truck Idling | Idle time 15 minutes

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	Daily Trucks	Total Emissions (g/day)	Max Hourly Emissions (g/sec)	Max Hourly Emissions (lb/hr)	Total Daily Emissions (lbs/day)	Total Emissions (tons/yr)	Total Emissions (tons/yr)		
At project entrance/exit driveway	HHDT	0.01428	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
At project entrance/exit driveway	MHDT	0.05503	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		2.52E-04	
At project entrance/exit driveway	LHDT2	0.77753	15	112	21.77	2.52E-04	2.00E-03	4.80E-02	8.75E-03		**1.26E-04**	per idling location
												(2 total)

Offsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Max Hourly Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)		
Lilac Ave from Project Driveway to Jurupa Ave	HHDT	0.00785	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	100% of trucks	
Lilac Ave from Project Driveway to Jurupa Ave	MHDT	0.00714	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.56E-06**	
Lilac Ave from Project Driveway to Jurupa Ave	LHDT2	0.02001	112	96.6	0.06	1.34E-01	1.56E-06	1.07E+00	2.96E-04	5.40E-05		
Jurupa Ave west of Lilac Ave	HHDT	0.00785	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave west of Lilac Ave	MHDT	0.00714	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.26E-06**	
Jurupa Ave west of Lilac Ave	LHDT2	0.02001	112	404.8	0.25	5.63E-01	6.52E-06	4.47E+00	1.24E-03	2.26E-04		
Jurupa Ave east of Lilac Ave	HHDT	0.00785	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave east of Lilac Ave	MHDT	0.00714	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.71E-06**	
Jurupa Ave east of Lilac Ave	LHDT2	0.02001	112	461	0.29	6.42E-01	7.43E-06	5.09E+00	1.41E-03	2.58E-04		

19495 Lilac Avenue Trucking Facility Project		**Emission:**	**DPM**									
Processes Modeled		**Build-out:**	**2024**									
Onsite delivery traffic												
Truck idling												
Offsite delivery traffic												
Facilities in Operation												
Location	**Truck type**	**Daily trucks**										
Project Site	HHDT	0										
Project Site	MHDT	0										
Project Site	LHDT2	112										
Total		**112**										
Delivery Schedule:												
	24	**hrs/day, 52weeks/year**										
Emission Factors 14 Year 2027-2040	**Onsite**	**Offsite**										
	Exhaust	**Exhaust**	**Idle**									
Vehicle Class	**(g/mi)**	**(g/mi)**	**(g/hr)**									
HHDT	0.00948	0.00644	0.01107									
MHDT	0.00993	0.00305	0.01857									
LHDT2	0.03871	0.01716	0.76775									
Onsite Roadway Links Modeled												
Link	**Truck Type**	**Emission Factor (g/mi)**	**Trips per day (in and out)**	**Length (m)**	**Length (mi)**	**Daily Emissions Over the Link (g/day)**	**Emissions Over the Link (g/sec)**	**Emissions Over Link (lb/hr)**	**Daily Emissions (lbs/day)**	**Annual Avg Emissions Over Link (tons/yr)**	**Total Daily Emissions for all Vehicles (g/sec)**	
Project Driveway to Maintenance/Parking Areas	HHDT	0.00948	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Project Driveway to Maintenance/Parking Areas	MHDT	0.00993	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**6.70E-06**	100% of trucks
Project Driveway to Maintenance/Parking Areas	LHDT2	0.03871	112	215.1	0.13	5.79E-01	6.70E-06	4.59E+00	1.28E-03	2.33E-04		
Truck Idling	Idle time	15	minutes									
Building/Location	**Truck Type**	**Emission Factor (g/idle-hour)**	**Idling Time (min)**	**Daily Trucks**	**Total Emissions (g/day)**	**Max Hourly Emissions (g/sec)**	**Max Hourly Emissions (lb/hr)**	**Total Daily Emissions (lbs/day)**	**Total Emissions (tons/yr)**	**Total Emissions (tons/yr)**		
At project entrance/exit driveway	HHDT	0.01107	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
At project entrance/exit driveway	MHDT	0.01857	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		2.49E-04	
At project entrance/exit driveway	LHDT2	0.76775	15	112	21.50	2.49E-04	1.97E-03	4.74E-02	8.64E-03		**1.24E-04**	per idling location
												(2 total)
Offsite Roadway Links Modeled												
Link	**Truck Type**	**Emission Factor (g/mi)**	**Trips per day**	**Length (m)**	**Length (mi)**	**Daily Emissions Over the Link (g/day)**	**Emissions Over the Link (g/sec)**	**Max Hourly Emissions Over Link (lb/hr)**	**Daily Emissions (lbs/day)**	**Annual Avg Emissions Over Link (tons/yr)**		
Lilac Ave from Project Driveway to Jurupa Ave	HHDT	0.00644	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	100% of trucks	
Lilac Ave from Project Driveway to Jurupa Ave	MHDT	0.00305	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.33E-06**	
Lilac Ave from Project Driveway to Jurupa Ave	LHDT2	0.01716	112	96.6	0.06	1.15E-01	1.33E-06	9.15E-01	2.54E-04	4.64E-05		
Jurupa Ave west of Lilac Ave	HHDT	0.00644	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave west of Lilac Ave	MHDT	0.00305	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.80E-06**	
Jurupa Ave west of Lilac Ave	LHDT2	0.01716	112	404.8	0.25	4.83E-01	5.59E-06	3.83E+00	1.06E-03	1.94E-04		
Jurupa Ave east of Lilac Ave	HHDT	0.00644	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave east of Lilac Ave	MHDT	0.00305	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.19E-06**	
Jurupa Ave east of Lilac Ave	LHDT2	0.01716	112	461	0.29	5.50E-01	6.37E-06	4.36E+00	1.21E-03	2.21E-04		

19495 Lilac Avenue Trucking Facility Project		**Emission:**	**DPM**									
Processes Modeled		**Build-out:**	**2024**									
Onsite delivery traffic												
Truck idling												
Offsite delivery traffic												
Facilities in Operation												
Location	**Truck type**	**Daily trucks**										
Project Site	HHDT	0										
Project Site	MHDT	0										
Project Site	LHDT2	112										
Total		**112**										
Delivery Schedule:												
	24	**hrs/day, 52weeks/year**										
Emission Factors 14 Year 2041-2054	**Onsite**	**Offsite**										
	Exhaust	**Exhaust**	**Idle**									
Vehicle Class	**(g/mi)**	**(g/mi)**	**(g/hr)**									
HHDT	0.00818	0.00564	0.00973									
MHDT	0.00320	0.00151	0.00731									
LHDT2	0.03537	0.01654	0.76173									
Onsite Roadway Links Modeled												
Link	**Truck Type**	**Emission Factor (g/mi)**	**Trips per day (in and out)**	**Length (m)**	**Length (mi)**	**Daily Emissions Over the Link (g/day)**	**Emissions Over the Link (g/sec)**	**Emissions Over Link (lb/hr)**	**Daily Emissions (lbs/day)**	**Annual Avg Emissions Over Link (tons/yr)**	**Total Daily Emissions for all Vehicles (g/sec)**	
Project Driveway to Maintenance/Parking Areas	HHDT	0.00818	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Project Driveway to Maintenance/Parking Areas	MHDT	0.00320	0	215.1	0.13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**6.13E-06**	100% of trucks
Project Driveway to Maintenance/Parking Areas	LHDT2	0.03537	112	215.1	0.13	5.29E-01	6.13E-06	4.20E+00	1.17E-03	2.13E-04		
Truck Idling	Idle time		15	minutes								
Building/Location	**Truck Type**	**Emission Factor (g/idle-hour)**	**Idling Time (min)**	**Daily Trucks**	**Total Emissions (g/day)**	**Max Hourly Emissions (g/sec)**	**Max Hourly Emissions (lb/hr)**	**Total Daily Emissions (lbs/day)**	**Total Emissions (tons/yr)**	**Total Emissions (tons/yr)**		
At project entrance/exit driveway	HHDT	0.00973	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
At project entrance/exit driveway	MHDT	0.00731	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		2.47E-04	
At project entrance/exit driveway	LHDT2	0.76173	15	112	21.33	2.47E-04	1.96E-03	4.70E-02	8.57E-03		**1.23E-04**	per idling location
												(2 total)
Offsite Roadway Links Modeled												
Link	**Truck Type**	**Emission Factor (g/mi)**	**Trips per day**	**Length (m)**	**Length (mi)**	**Daily Emissions Over the Link (g/day)**	**Emissions Over the Link (g/sec)**	**Max Hourly Emissions Over Link (lb/hr)**	**Daily Emissions (lbs/day)**	**Annual Avg Emissions Over Link (tons/yr)**		
Lilac Ave from Project Driveway to Jurupa Ave	HHDT	0.00564	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	100% of trucks	
Lilac Ave from Project Driveway to Jurupa Ave	MHDT	0.00151	0	96.6	0.06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.29E-06**	
Lilac Ave from Project Driveway to Jurupa Ave	LHDT2	0.01654	112	96.6	0.06	1.11E-01	1.29E-06	8.82E-01	2.45E-04	4.47E-05		
Jurupa Ave west of Lilac Ave	HHDT	0.00564	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave west of Lilac Ave	MHDT	0.00151	0	404.8	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.70E-06**	
Jurupa Ave west of Lilac Ave	LHDT2	0.01654	112	404.8	0.25	4.66E-01	5.39E-06	3.69E+00	1.03E-03	1.87E-04		
Jurupa Ave east of Lilac Ave	HHDT	0.00564	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50% of trucks	
Jurupa Ave east of Lilac Ave	MHDT	0.00151	0	461	0.29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.07E-06**	
Jurupa Ave east of Lilac Ave	LHDT2	0.01654	112	461	0.29	5.31E-01	6.14E-06	4.21E+00	1.17E-03	2.13E-04		

EMFAC2021 for South Coast AQMD PM2.5 Running and Idling Exhaust

Area	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	2024 (gms/mile)	2025 (gms/mile)	2026 (gms/mile)	2027 (gms/mile)	2028 (gms/mile)	2029 (gms/mile)	2030 (gms/mile)	2031 (gms/mile)	2032 (gms/mile)	2033 (gms/mile)	2034 (gms/mile)	2035 (gms/mile)
South Coast AQMD	*Annual*	*LHDT2*	*DSL*	Aggregated	*0*	0.777688	0.777509	0.777544	0.777539	0.77765	0.777228	0.776552	0.772631	0.770784	0.768303	0.765381	0.761339
South Coast	Annual	LHDT2	DSL	Aggregated	5	0.065732	0.060612	0.056486	0.053235	0.050727	0.048784	0.047295	0.046041	0.04507	0.044345	0.043925	0.043383
South Coast	Annual	LHDT2	DSL	Aggregated	10	0.054347	0.050289	0.04702	0.044449	0.042473	0.040952	0.039803	0.03887	0.03818	0.037707	0.037493	0.037198
South Coast	Annual	LHDT2	DSL	Aggregated	35	0.02193	0.020552	0.019459	0.018621	0.017998	0.017541	0.017219	0.016983	0.016838	0.016776	0.01681	0.016819
South Coast	*Annual*	*MHDT*	*DSL*	Aggregated	*0*	0.07273	0.060303	0.049764	0.041162	0.034359	0.028849	0.024397	0.020752	0.018038	0.015804	0.014045	0.012547
South Coast	Annual	MHDT	DSL	Aggregated	5	0.047035	0.039388	0.032878	0.027462	0.023065	0.019496	0.016589	0.014187	0.012242	0.010647	0.009378	0.008311
South Coast	Annual	MHDT	DSL	Aggregated	10	0.038328	0.032074	0.026749	0.022318	0.018721	0.015799	0.013418	0.011449	0.009852	0.008541	0.007498	0.006618
South Coast	Annual	MHDT	DSL	Aggregated	35	0.008966	0.007687	0.006597	0.005684	0.004945	0.004336	0.003836	0.003412	0.003062	0.002766	0.002529	0.002319
South Coast	*Annual*	*HHDT*	*DSL*	Aggregated	*0*	0.015375	0.014634	0.013923	0.013343	0.012838	0.012276	0.011792	0.011375	0.011065	0.010815	0.010558	0.010383
South Coast	Annual	HHDT	DSL	Aggregated	5	0.014315	0.013927	0.013603	0.013294	0.013002	0.012669	0.012344	0.012015	0.011674	0.011385	0.011096	0.010891
South Coast	Annual	HHDT	DSL	Aggregated	10	0.012166	0.011786	0.011464	0.01116	0.010875	0.010558	0.01025	0.009941	0.009624	0.009354	0.009087	0.008898
South Coast	Annual	HHDT	DSL	Aggregated	35	0.008261	0.007966	0.00773	0.007515	0.00732	0.007119	0.006927	0.006736	0.006543	0.006372	0.006207	0.006082

	30 yr 2024-2054 **5 mph**	**30 yr** 2024-2054 **10 mph**	**30 yr** 2024-2054 **35 mph**	**30 yr** 2024-20534 **0 mph (idling)**
LHDT2	0.04487	0.03835	0.01722	0.76598
MHDT	0.01129	0.00906	0.00281	0.01758
HHDT	0.01112	0.00912	0.00623	0.01081

	14 yr 2027-2040 **5 mph**	**14 yr** 2027-2040 **10 mph**	**14 yr** 2027-2040 **35 mph**	**14 yr** 2027-2040 **0 mph (idling)**
LHDT2	0.04554	0.03871	0.01716	0.76775
MHDT	0.01234	0.00993	0.00305	0.01857
HHDT	0.01154	0.00948	0.00644	0.01107

	14 yr 2041-2054 **5 mph**	**14 yr** 2041-2054 **10 mph**	**14 yr** 2041-2054 **35 mph**	**14 yr** 2041-2054 **0 mph (idling)**
LHDT2	0.04075	0.03537	0.01654	0.76173
MHDT	0.00414	0.00320	0.00151	0.00731
HHDT	0.01010	0.00818	0.00564	0.00973

	2 yr 2025-2026 **5 mph**	**2 yr** 2025-2026 **10 mph**	**2 yr** 2025-2026 **35 mph**	**2 yr** 2025-2026 **0 mph (idling)**
LHDT2	0.05855	0.04865	0.02001	0.77753
MHDT	0.03613	0.02941	0.00714	0.05503
HHDT	0.01376	0.01163	0.00785	0.01428

	1 yr 2024 **5 mph**	**1 yr** 2024 **10 mph**	**1 yr** 2024 **35 mph**	**1 yr** 2024 **0 mph (idling)**
LHDT2	0.06573	0.05435	0.02193	0.77769
MHDT	0.04703	0.03833	0.00897	0.07273
HHDT	0.01432	0.01217	0.00826	0.01537

2036 (gms/mile)	2037 (gms/mile)	2038 (gms/mile)	2039 (gms/mile)	2040 (gms/mile)	2041 (gms/mile)	2042 (gms/mile)	2043 (gms/mile)	2044 (gms/mile)	2045 (gms/mile)	2046 (gms/mile)	2047 (gms/mile)	2048 (gms/mile)	2049 (gms/mile)	2050 (gms/mile)	2051 (gms/mile)	2052 (gms/mile)	2053 (gms/mile)	2054 (gms/mile)
0.76085	0.760267	0.759676	0.760052	0.760312	0.76051	0.760671	0.760734	0.760987	0.761186	0.761437	0.761606	0.761852	0.762113	0.762615	0.762615	0.762615	0.762615	0.762615
0.043392	0.043222	0.042986	0.042652	0.04245	0.042365	0.042288	0.042276	0.042073	0.041864	0.041578	0.041324	0.040992	0.040285	0.039094	0.039094	0.039094	0.039094	0.039094
0.037256	0.037157	0.036992	0.03675	0.03661	0.036571	0.036535	0.036541	0.036416	0.036276	0.036077	0.035892	0.035652	0.035053	0.034045	0.034045	0.034045	0.034045	0.034045
0.016923	0.016956	0.016952	0.016912	0.016899	0.016917	0.016928	0.016946	0.016919	0.01688	0.016818	0.016754	0.016672	0.016443	0.016063	0.016063	0.016063	0.016063	0.016063
0.011458	0.010595	0.009878	0.009315	0.008763	0.008359	0.007956	0.00768	0.007413	0.007299	0.00721	0.00714	0.007086	0.007051	0.00702	0.00702	0.00702	0.00702	0.00702
0.007445	0.006754	0.006178	0.005742	0.00532	0.005004	0.004692	0.004432	0.004179	0.004103	0.004044	0.003994	0.003966	0.003944	0.003924	0.003924	0.003924	0.003924	0.003924
0.005911	0.005347	0.004876	0.004519	0.004174	0.003915	0.003659	0.003445	0.003237	0.003173	0.003122	0.00308	0.003054	0.003034	0.003016	0.003016	0.003016	0.003016	0.003016
0.002176	0.002058	0.001957	0.001876	0.001799	0.001735	0.001671	0.001614	0.001561	0.001533	0.001508	0.001485	0.001465	0.001449	0.001434	0.001434	0.001434	0.001434	0.001434
0.010261	0.010171	0.010094	0.010026	0.009959	0.009899	0.009857	0.009823	0.009786	0.009754	0.009726	0.009704	0.009687	0.009675	0.009662	0.009662	0.009662	0.009662	0.009662
0.010738	0.011114	0.010545	0.010469	0.010394	0.010324	0.010266	0.01021	0.010152	0.010107	0.010069	0.010038	0.010032	0.010032	0.010031	0.010031	0.010031	0.010031	0.010031
0.008758	0.008661	0.008579	0.00851	0.008443	0.008382	0.00833	0.008282	0.008233	0.008194	0.008161	0.008134	0.008126	0.008124	0.008121	0.008121	0.008121	0.008121	0.008121
0.005994	0.005922	0.005861	0.005811	0.005769	0.005734	0.005705	0.005682	0.005662	0.005647	0.005635	0.005625	0.005616	0.00561	0.005603	0.005603	0.005603	0.005603	0.005603

EMFAC2021 only has up to 2050 used 2050 for 2051, 2052, 2053, & 2054.

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