AIR QUALITY ASSESSMENT

Latitude Business Park
City of Corona, CA

Prepared By:

Ldn Consulting, Inc.

42428 Chisolm Trail
Murrieta, CA 92562

Project For:

Rexco Development
2518 N. Santiago Blvd.
Orange, CA 92867

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EXHIBIT 6

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EXECUTIVE SUMMARY

This air quality impact study has been completed to determine the air quality impacts associated with the development of the construction and operation of the proposed Latitude Business Park industrial/warehousing development. It should be noted that the Project has previously been approved and is under construction.

The proposed Project consists of developing multiple industrial/manufacturing/warehousing buildings up to 379,882 Square Feet (SF) of industrial usage and up to 159,744 SF of manufacturing usage and up to 535,205 SF warehouse space. This analysis was updated due to the fact that up to 175,000 SF of that warehouse space could contain cold storage. This revision would not increase the overall approved uses and would not modify expected traffic generation. Additionally, the project would install 82 Electric Vehicle (EV) Charging stations spread out over the project site. The Project site is located on the west side of Temescal Canyon Road, between La Gloria Street Road and Tom Barnes Street, in the City of Corona, California. It is expected that the project would be fully operational in 2022.

During construction of the proposed Project, fugitive dust emissions would be expected but would not exceed thresholds established by the South Coast Air Quality Management District (SCAQMD). Given this, no construction mitigation will require mitigation. Furthermore, the project would not generate localized significance threshold impacts with the use of Tier 4 construction equipment. Based on this, Tier 4 construction equipment would be required and would be a condition to this project's approval.

Additionally, emissions will be generated from both project area and operational sources once the project is fully operational sometime in 2022 though no air quality impacts would be expected. The project was analyzed under localized significance thresholds for both construction and operations and was found to generate less than significant impacts.

Finally, the proposed Project would not be expected to generate offensive odors and would therefore not impact any sensitive receptors.

1.0 INTRODUCTION

1.1 Purpose of this Study

The purpose of this Air Quality study is to determine potential air quality impacts (if any) that may be created by construction, area or operational emissions (short term or long term) from the proposed Project. Should impacts be determined, the intent of this study would be to recommend suitable mitigation measures to bring those impacts to a level that would be considered less than significant.

1.2 Project Location

The Project is located on roughly a 75 gross acre site located on the west side of Temescal Canyon Road, between La Gloria Street Road and Tom Barnes Street, in the City of Corona, California within the South Coast Air Basin (SCAB). A general project vicinity map is shown in Figure 1-A.

1.3 Project Description

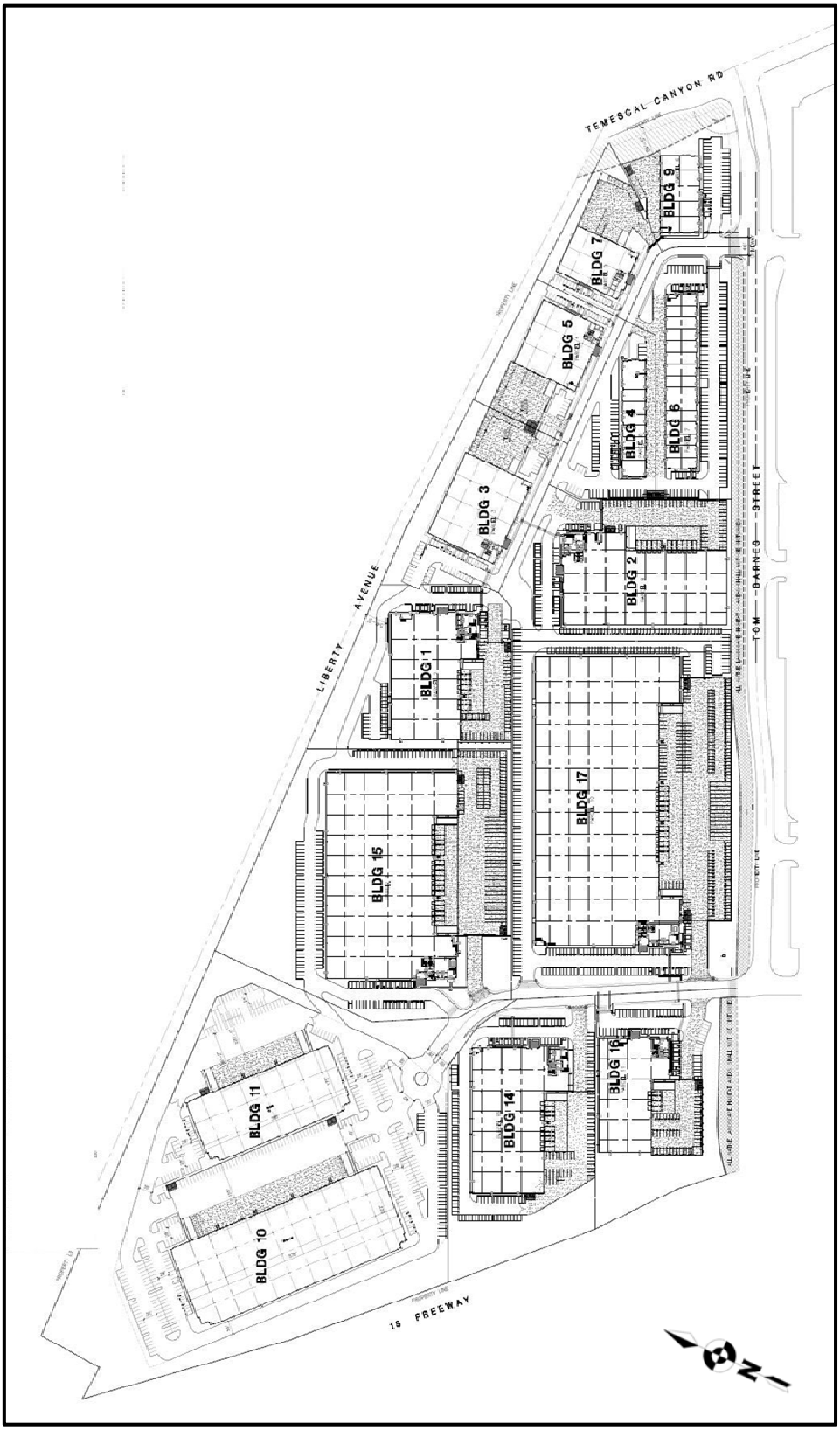
The proposed Project consists of developing multiple industrial/manufacturing/warehousing buildings up to 379,882 Square Feet (SF) of industrial usage and up to 159,744 SF of manufacturing usage and up to 535,205 SF warehouse space. This analysis was updated due to the fact that up to 175,000 SF of the proposed warehouse space could contain cold storage. Additionally, the project would install 82 Electric Vehicle (EV) Charging stations spread out over the project site.

The Project has previously been approved and is under construction. The Project would not increase the overall approved uses. The Project which is being graded currently is located on the northwest quadrant of Temescal Canyon Road and Tom Barnes Street. Also, as a design feature, the project would continue to utilize Tier 4 construction equipment. A site plan map is shown in Figure 1-B.

Figure 1-A: Project Vicinity Map

Source: (Google, 2021)

Figure 1-B: Site Plan Map



Source: (HPA Architecture, 2021)

2.0 EXISTING ENVIRONMENTAL SETTING

2.1 Existing Setting

The existing Project site is vacant and has been rough graded. Adjacent surrounding land uses are industrial, agricultural and residential to the north, commercial retail to the south, interstate 15 to the west and a covered storage lot to the east. The site topography is characterized by lightly sloping with elevations ranging from approximately 840 feet in the east to 860 feet above mean sea level in the west.

2.2 Climate and Meteorology

Climate within the SCAB area often varies dramatically over short geographical distances due to the size and topography. Most of southern California is dominated by high-pressure systems for much of the year, which keeps Corona mostly sunny and warm. Typically, during the winter months, the high-pressure system drops to the south and brings cooler, moister weather from the north.

It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SCAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

Daytime temperature highs within the City of Corona typically range between 66 ºF in the winter to approximately 99 ºF in the summer with the month of August usually being the hottest month. Corona usually receives an average seasonal precipitation of 12.45 inches of rain per year with the month of January usually being the wettest month of the year (U.S. Climate Data, 2019).

2.3 Regulatory Standards

2.3.1 Federal Standards and Definitions

The Federal Air Quality Standards were developed per the requirements of The Federal Clean Air Act, which is a federal law that was passed in 1970 and further amended in 1990. This law provides the basis for the national air pollution control effort. An important element of the act included the development of national ambient air quality standards (NAAQS) for major air pollutants.

The Clean Air Act established two types of air quality standards otherwise known as primary and secondary standards. ***Primary Standards*** set limits for the intention of protecting public health, which includes sensitive populations such as asthmatics, children and elderly. ***Secondary Standards*** set limits to protect public welfare to include the protection against decreased visibility, damage to animals, crops, vegetation and buildings.

The EPA Office of Air Quality Planning and Standards (OAQPS) has set National Ambient Air Quality Standards for principal pollutants, which are called "criteria" pollutants. These pollutants are defined below:

1. ***Carbon Monoxide (CO):*** *is a colorless, odorless, and tasteless gas and is produced from the partial combustion of carbon-containing compounds, notably in internal-combustion engines. Carbon monoxide usually forms when there is a reduced availability of oxygen present during the combustion process. Exposure to CO near the levels of the ambient air quality standards can lead to fatigue, headaches, confusion, and dizziness. CO interferes with the blood's ability to carry oxygen.*
2. ***Lead (Pb):*** *is a potent neurotoxin that accumulates in soft tissues and bone over time. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Because lead is only slowly excreted, exposures to small amounts of lead from a variety of sources can accumulate to harmful levels. Effects from inhalation of lead near the level of the ambient air quality standard include impaired blood formation and nerve conduction. Lead can adversely affect the nervous, reproductive, digestive, immune, and blood-forming systems. Symptoms can include fatigue, anxiety, short-term memory loss, depression, weakness in the extremities, and learning disabilities in children.*
3. ***Nitrogen Dioxide (NO_2):*** *is a reactive, oxidizing gas capable of damaging cells lining the respiratory tract and is one of the nitrogen oxides emitted from high-temperature combustion, such as those occurring in trucks, cars, power plants, home heaters, and gas stoves. In the presence of other air contaminants, NO_2 is usually visible as a reddish-brown air layer over urban areas. NO_2 along with other traffic-related pollutants is associated with respiratory symptoms, respiratory illness and respiratory impairment. Studies in animals have reported biochemical, structural, and cellular changes in the lung when exposed to NO_2 above the level of the current state air quality standard. Clinical studies of human subjects suggest that NO_2 exposure to levels near the current standard may worsen the effect of allergens in allergic asthmatics, especially in children.*
4. ***Particulate Matter (PM_{10} or $PM_{2.5}$):*** *is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary in shape, size and chemical composition, and can be made up of multiple materials such as metal, soot, soil, and dust. PM_{10} particles are 10 microns (μm) or less and $PM_{2.5}$ particles are 2.5 (μm) or less. These particles can contribute significantly to regional haze and reduction of visibility in California. Exposure to PM levels exceeding current air quality standards increases the risk of allergies such as asthma and respiratory illness.*
5. ***Ozone (O_3)****: is a highly oxidative unstable gas capable of damaging the linings of the respiratory tract. This pollutant forms in the atmosphere through reactions between chemicals directly emitted from vehicles, industrial plants, and many other sources. Exposure to ozone above ambient air quality standards can lead to*

human health effects such as lung inflammation, tissue damage and impaired lung functioning. Ozone can also damage materials such as rubber, fabrics and plastics.

6. ***Sulfur Dioxide (SO_2)**: is a gaseous compound of sulfur and oxygen and is formed when sulfur-containing fuel is burned by mobile sources, such as locomotives, ships, and off-road diesel equipment. SO_2 is also emitted from several industrial processes, such as petroleum refining and metal processing. Effects from SO_2 exposures at levels near the one-hour standard include bronchoconstriction accompanied by symptoms, which may include wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Children, the elderly, and people with asthma, cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most susceptible to these symptoms. Continued exposure at elevated levels of SO_2 results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality.*

2.3.2 State Standards and Definitions

The State of California Air Resources Board (ARB) sets the laws and regulations for air quality on the state level. The California Ambient Air Quality Standards (CAAQS) are either the same as or more restrictive than the NAAQS and also restrict four additional contaminants. Table 2.1 on the following page identifies both the NAAQS and CAAQS. The additional contaminants as regulated by the CAAQS are defined below:

1. ***Visibility Reducing Particles**: Particles in the Air that obstruct the visibility.*
2. ***Sulfates**: are salts of Sulfuric Acid. Sulfates occur as microscopic particles (aerosols) resulting from fossil fuel and biomass combustion. They increase the acidity of the atmosphere and form acid rain.*
3. ***Hydrogen Sulfide (H_2S)**: is a colorless, toxic and flammable gas with a recognizable smell of rotten eggs or flatulence. H_2S occurs naturally in crude petroleum, natural gas, volcanic gases, and hot springs. Usually, H_2S is formed from bacterial breakdown of organic matter. Exposure to low concentrations of hydrogen sulfide may cause irritation to the eyes, nose, or throat. It may also cause difficulty in breathing for some asthmatics. Brief exposures to high concentrations of hydrogen sulfide (greater than 500 ppm) can cause a loss of consciousness and possibly death.*
4. ***Vinyl Chloride**: also known as chloroethene and is a toxic, carcinogenic, colorless gas with a sweet odor. It is an industrial chemical mainly used to produce its polymer, polyvinyl chloride (PVC).*

Table 2.1: Ambient Air Quality Standards

Ambient Air Quality Standards						
Pollutant	**Average Time**	**California Standards[1]**		**Federal Standards[2]**		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m3)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m3)		0.070 ppm (137 µg/m3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m3	Gravimetric or Beta Attenuation	150 µg/m3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m3		-		
Fine Particulate Matter (PM2.5)[9]	24 Hour	No Separate State Standard		35 µg/m3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m3	Gravimetric or Beta Attenuation	12.0 µg/m3	15 µg/m3	
Carbon Monoxide (CO)	8 hour	9.0 ppm (10mg/m3)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m3)	-	Non-Dispersive Infrared Photometry
	1 hour	20 ppm (23 mg/m3)		35 ppm (40 mg/m3)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m3)		-	-	-
Nitrogen Dioxide (NO_2)[10]	Annual Arithmetic Mean	0.030 ppm (57 µg/m3)	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m3)[8]	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.18 ppm (339 µg/m3)		0.100 ppm[8] (188/ µg/m3)	-	
Sulfur Dioxide (SO_2)[11]	Annual Arithmetic Mean	-	Ultraviolet Fluorescence	0.030 ppm[10] (for Certain Areas)	-	Ultraviolet Fluorescence; Spectrophotometry (Pararoosaniline Method)[9]
	24 Hour	0.04 ppm (105 µg/m3)		0.14 ppm[10] (for Certain Areas) (See Footnote 9)	-	
	3 Hour	-		-	0.5 ppm (1300 µg/m3)	
	1 Hour	0.25 ppm (655 µg/m3)		75 ppb (196 µg/m3)	-	
Lead[12,13]	30 Day Average	1.5 µg/m3	Atomic Absorption	-		-
	Calendar Quarter	-		1.5 µg/m3	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	-		0.15 µg/m3		
Visibility Reducing Particles	8 Hour	See footnote 14				
Sulfates	24 Hour	25 µg/m3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m3)	Gas Chromatography			

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m3 is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent procedure which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m3 to 12.0 µg/m3 . The existing national 24- hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3 , as was the annual secondary standard of 15 µg/m3 . The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: (California Air Resources Board, 5/4/2016)

2.3.3 Regional Standards

The State of California has 35 specific air districts, which are each responsible for ensuring that the criteria pollutants are below the NAAQS and CAAQS. Air basins that exceed either the NAAQS or the CAAQS for any criteria pollutants for designated periods defined in the footnote of Table 2.1 above are designated as "non-attainment areas" for that pollutant. Currently, there are 15 non-attainment areas for the federal ozone standard and two non-attainment areas for the $PM_{2.5}$ standard. The state therefore created the California State Implementation Plan (SIP), which is designed to provide control measures needed for California Air basins to attain ambient air quality standards.

The SCAQMD has jurisdiction over an area of approximately 10,743 square miles, consisting of the South Coast Air Basin, and the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The district prepares Air Quality Management Plans (AQMP) to demonstrate how the region will reduce air pollution emissions to meet the federal and state health-based standards to comply with Clean Air Act requirements and will be ultimately a part of the SIP. SCAQMDs latest adopted AQMP was adopted in March of 2017 (SCAQMD, 2017).

More specifically, the AQMP identifies the path South Coast Air Basin must take for the attainment of federal PM and ozone standards and highlights the significant amount of reductions needed and the urgent need to engage in interagency coordinated planning to identify additional strategies, especially in the area of mobile sources, to meet all federal criteria pollutant standards within the timeframes allowed under the federal Clean Air Act.

The City of Corona lies within the SCAB. The SCAQMD is the government agency, which regulates sources of air pollution within the City of Corona. A complete listing of the current attainment status by pollutants for the SCAB is shown on Table 2.2 on the following page (SCAQMD, 2016).

Table 2.2: South Coast Air Basin Attainment Status by Pollutant

County Air Basin Attainment Status by Pollutant			
Pollutant	Average Time	California Standards	Federal Standards
Ozone (O_3)	1 Hour	Non-attainment	Extreme Nonattainment
	8 Hour		
Respirable Particulate Matter (PM10)	24 Hour	Non-attainment	Attainment Maintenance[1]
	Annual Arithmetic Mean		N/A
Fine Particulate Matter PM2.5	24 Hour	No State Standard	Non-attainment (Serious)
	Annual Arithmetic Mean	Non-attainment	Non-attainment (Serious)
Carbon Monoxide (CO)	8 hour	Attainment	Attainment Maintenance[1]
	1 hour		
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	Attainment	Attainment Maintenance1
	1 Hour		Unclassifiable/Attainment
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	No State Standard	Attainment
	24 Hour		Attainment
	1 Hour		Unclassifiable/Attainment
Lead	30 Day Average	Attainment	No Federal Standard
	Calendar Quarter		Attainment

1. Maintenance Area (defined by U.S. Department of Transportation) is any geographic region of the United States previously designated nonattainment pursuant to the CAA Amendments of 1990 and subsequently redesignated to attainment subject to the requirement to develop a maintenance plan under section 175A of the CAA, as amended.

2.4 California Environmental Quality Act (CEQA) Significance Thresholds

The California Environmental Quality Act has provided a checklist to identify the significance of air quality impacts. These guidelines are found in Appendix G of the CEQA guidelines and are as follows:

AIR QUALITY -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the Project:

A: Conflict with or obstruct implementation of the applicable air quality plan?

B: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

C: Expose sensitive receptors to substantial pollutant concentrations?

D: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

2.5 Air Quality Impact Assessment Screening Thresholds

To determine whether a project would create potential air quality impacts, the City of Corona uses South Coast Air Quality Management District's (SQAQMD) Air Quality Thresholds. The screening thresholds for construction and daily operations are shown in Table 2.3 below. Demonstrating a projects compliance with SCAQMD Screening thresholds are a significant part of demonstrating compliance with SCAQMDs AQMP and is critical to insuring less than significant impacts to questions A and B identified in section 2.4 above.

Table 2.3: Screening Threshold for Criteria Pollutants

Pollutant	Total Emissions (Pounds per Day)
Construction Emissions	
Respirable Particulate Matter (PM_{10} and $PM_{2.5}$)	150 and 55
Nitrogen Oxide (NO_x)	100
Sulfur Oxide (SO_x)	150
Carbon Monoxide (CO)	550
Volatile Organic Compounds (VOCs)	75
Operational Emissions	
Respirable Particulate Matter (PM_{10} and $PM_{2.5}$)	150 and 55
Nitrogen Oxide (NO_x)	55
Sulfur Oxide (SO_x)	150
Carbon Monoxide (CO)	550
Lead and Lead Compounds	3.2
Volatile Organic Compounds (VOCs)	55

In 1987, the California legislature adopted the Air Toxics "Hot Spots" Information and Assessment Act; also known as Assembly Bill 2588 (or AB 2588). The goals of the Assembly Bill are to collect emissions data, identify facilities having localized impacts to determine health risks, and notify affected individuals. High priority facilities must prepare a Health Risk Assessment (HRA). This Assembly bill is primarily geared toward mitigating long term fixed sources health risks above the action risk levels. SCAQMD has a number of rules which were prepared to meet AB 2588 goals (i.e., Rules 1401, 1402 and 212) (SCAQMD, 2015) but none specific to short term construction projects. Projects or facilities found to increase action risk levels require mitigation and reporting.

Toxic Air Contaminants (TACs) are regulated by the SCAQMD under Rule 1401, 1402 and 212 which were developed to identify requirements for reporting and requires evaluation of potential health risks for any new, relocated, or modified emission units (fixed sources) which

may increase emissions of one or more toxic air contaminants. The rule requires that projects that propose to increase cancer risk to greater than one in one million need to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk.

Diesel particulate matter emissions were identified as a TAC by California Air Resources Board (CARB) in 1998 and were added to SCAQMD Rule 1401 list of compounds on March 7, 2008. Under the current AB2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Regulation, facility operators are required to include health risk impacts of any diesel exhaust particulate emissions from stationary emergency and prime compression ignition internal combustion engines, as well as portable diesel engines. The SCAQMD Governing Board has adopted risk levels for purposes of notification pursuant to the AB2588 program. Based on this guidance, if the cancer risk is Greater than 10 in a million the public must be notified. If the risk is Greater than 25 in one million the risk shall be mitigated.

The State of California's Office of Environmental Health Hazard Assessment (OEHHA) published revised health risk assessment guidance that places greater emphasis on early childhood exposure and suggests that construction projects as short as 2-6 months may warrant evaluation (OEHHA, 2015). Based on this guidance, this report assumes that if the cancer risks from TACs is Greater than 10 in a million the public must be notified. If the risk is Greater than 25 in one million the risk shall be mitigated. Risks below 10 in a million would be considered less than significant.

2.6 Local Air Quality

Criteria pollutants are measured continuously throughout the SCAB. This data is used to track ambient air quality patterns throughout the surrounding area. As mentioned earlier, this data is also used to determine attainment status when compared to the NAAQS and CAAQS. The SCAPCD is responsible for monitoring and reporting monitoring data. The District operates approximately 30 monitoring sites that collected data on criteria pollutants within the SCAB.

Ambient Data was obtained from the California Environmental Protection Agency's Air Resources Board Website (California Air Resources Board, 2018). Table 2.4 identifies the closest criteria pollutants monitored to the project as well as identifies the relative distance to the project site. The Lake Elsinore monitoring station is located approximately 16 miles from the proposed project site.

Table 2.4: Three-Year Ambient Air Quality Summary near the Project Site

Pollutant	Ambient Monitoring Site	Averaging Time	CAAQS	NAAQS	2017	2018	2019
O_3 (ppm)	Lake Elsinore	1 Hour	0.09 ppm	-	0.121	0.116	0.108
	Lake Elsinore	8 Hour	0.070 ppm	0.075 ppm	0.098	0.095	0.089
PM_{10} ($\mu g/m^3$)	Lake Elsinore	24 Hour	50 $\mu g/m^3$	150 $\mu g/m^3$	134.1	105.3	93.8
	Lake Elsinore	Annual Arithmetic Mean	20 $\mu g/m^3$	-	23.6	23.3	19.7
$PM_{2.5}$ ($\mu g/m^3$)	Lake Elsinore	24 Hour	-	35 $\mu g/m^3$	27.2	31.3	17.6
	Lake Elsinore	Annual Arithmetic Mean	12 $\mu g/m^3$	15 $\mu g/m^3$	11.3	6.7	-
NO_2 (ppm)	Lake Elsinore	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	0.008	0.008	0.006
	Lake Elsinore	1 Hour	0.18 ppm	-	0.049	0.041	0.038
All ambient emissions reported are assumed to be taken by the district in compliance with both the NAAQS and CAAQS. Methodologies for those measurements are discussed in Table 2.1 of this report.							

2.7 Localized Significance Thresholds

In June 2003 SCAQMD proposed a methodology for calculating Localized Significance Thresholds (LSTs) for NO_2, CO, $PM_{2.5}$ and PM_{10}. The LST methodology was developed to be used as a tool to assist lead agencies to analyze localized impacts associated with project-specific level proposed projects and would not be applicable to regional projects such as general plans. The LST methodology was last updated to incorporate the most recent ambient air quality standards (South Coast Air Quality Management District, 2008). The LST methodology is often utilized by most agencies governed under SCAQMD CEQA review which would include the County of Riverside.

SCAQMD developed mass rate look-up tables for projects less than five acres to assist agencies with development of LSTs, however LST guidelines recommend project specific air quality dispersion modeling for projects greater than five acres (South Coast Air Quality Management District, 2014). Air dispersion modeling utilizing AERMOD Version 19191 which replaced ISCS3 as the preferred dispersion modeling. The software has the ability to incorporate meteorological inputs as well as multiple source and receptor locations and is now used throughout the world.

Per the requirements of SCAQMDs LSTs methodology, emissions for gases in attainment such as NO_2 and CO are calculated by adding emission impacts from the project development to the peak background ambient NO_2 and CO concentrations and comparing the total concentration to the most stringent ambient air quality standards. Also, according to SCAQMD Rule 403, emissions for non-attainment particulate matter such as PM 10 and PM 2.5 can produce no more than 10.4 $\mu g/m^3$. Demonstrating a projects compliance with SCAQMD Screening thresholds demonstrate compliance with SCAQMDs AQMP and is critical to insuring less than significant impacts to questions A and B identified in Section 2.4 above.

3.0 METHODOLOGY

3.1 Construction Emissions Calculations

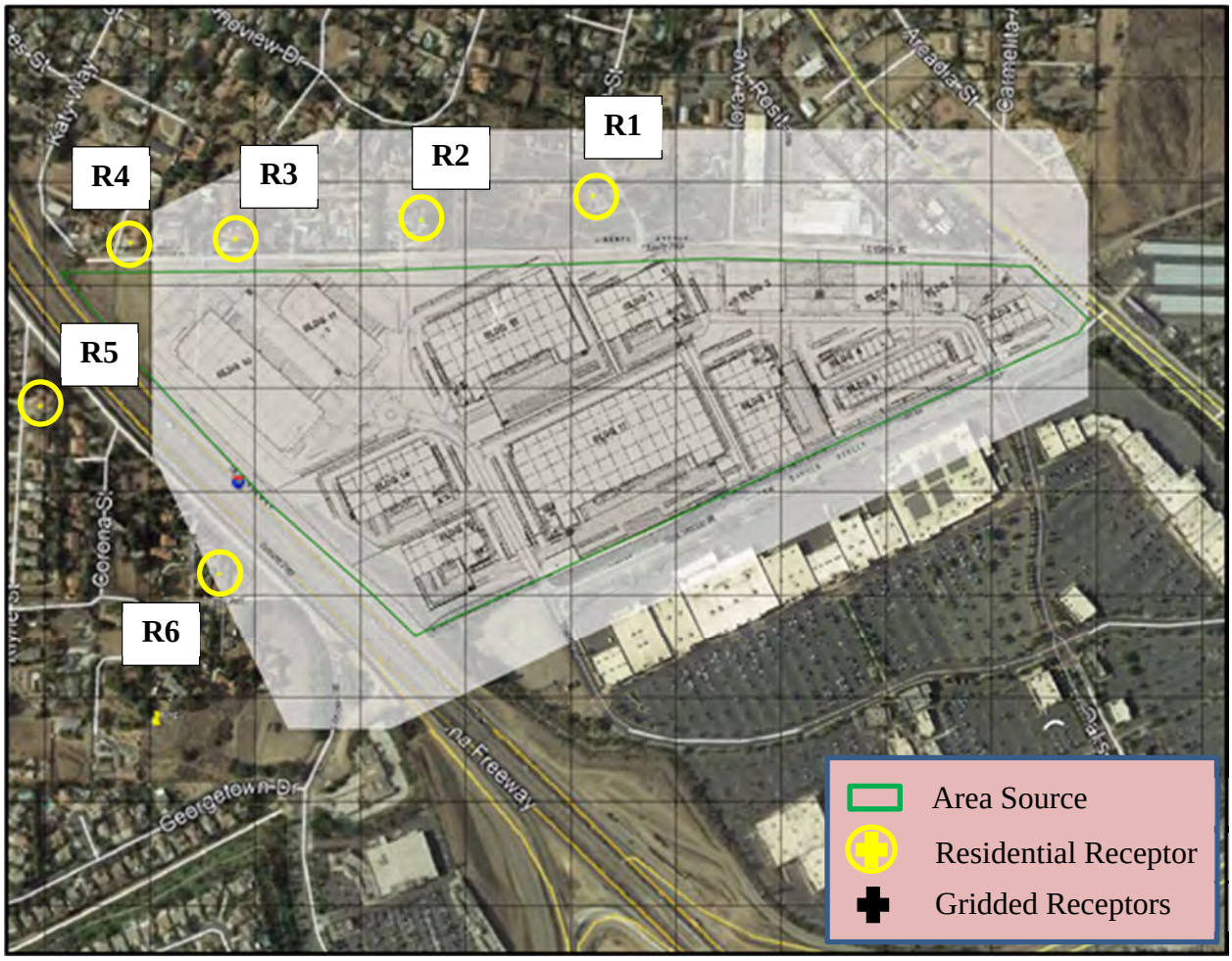
Air Quality impacts related to construction and daily operations were calculated using the latest CalEEMod air quality model, which was developed by ENVIRON International Corporation for SCAQMD. The construction module in CalEEMod calculates the emissions associated with the construction of the project using methodologies presented in the US EPA AP-42 document with emphasis on Chapter 11.9. The CalEEMod input/output model is shown in ***Attachment A*** to this report. Air dispersion modeling utilizing AERMOD Version 19191 is the preferred dispersion modeling software used within this analysis. A graphical representation of the modeling locations is shown on an aerial below in Figure 3-A. The grid represents a receptor matrix used by AERMOD to calculate emission contours. Also, four sensitive receptors were added to determine annual diesel exhaust emissions at discrete sensitive receptor locations (nearest homes) and are represented by yellow circles. The proposed project would be built out in two phases however for purposes of a worst-case analysis, the project was analyzed over one phase.

Using AERMOD the dispersed concentrations of diesel particulates are estimated at the nearest residential homes and are used to evaluate estimated risk exposure. Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). For residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. The following algorithms calculate this dose for exposure through the inhalation pathways. The worst case cancer risk dose calculation is defined in Equation 1 below (OEHHA, 2015).

Equation 1 $$Dose_{air} = C_{air} * (BR/BW) * A * EF * (1x10^{-6})$$

$Dose_{air}$	=	Dose through inhalation (mg/kg/d)
C_{air}	=	Concentration in air (µg/m3) Annual average DPM concentration in µg/m3 - AERMOD Annual Concentration.
BR/BW	=	Daily breathing rate normalized to body weight (L/kg BW-day). See Table I.2 for the daily breathing rate for each age range.
A	=	Inhalation absorption factor (assumed to be 1)
EF	=	Exposure frequency (unitless, days/365 days)
1x10-6	=	Milligrams to micrograms conversion (10^{-3} mg/ µg), cubic meters to liters conversion (10^{-3} m^3/l)

Figure 3-A: AERMOD PM_{10} Exhaust – Model Setup



Once the dose is determined then you must calculate the cancer risk. The average daily inhalation dose (mg/kg-day) multiplied by the cancer potency factor $(mg/kg\text{-}day)^{-1}$ will give the inhalation cancer risk (unitless), which is an expression of the chemical's cancer risk during a 70-year lifespan of exposure. Cancer risk is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. As described below, the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any given location. Specific factors as modeled are shown within the project models attached to this report. The worst case cancer risk calculation is defined in Equation 2 below (OEHHA, 2015).

Equation 2

$$RISKinh\text{-}res = DOSEair \times CPF \times ASF \times ED/AT \times FAH$$

RISKinh-res	=	Residential inhalation cancer risk
DOSEair	=	Daily inhalation dose (mg/kg-day)
CPF	=	Inhalation cancer potency factor $(mg/kg\text{-}day^{-1})$
ASF	=	Age sensitivity factor for a specified age group (unitless)
ED	=	Exposure duration (in years) for a specified age group
AT	=	Averaging time for lifetime cancer risk (years)
FAH	=	Fraction of time spent at home (unitless)

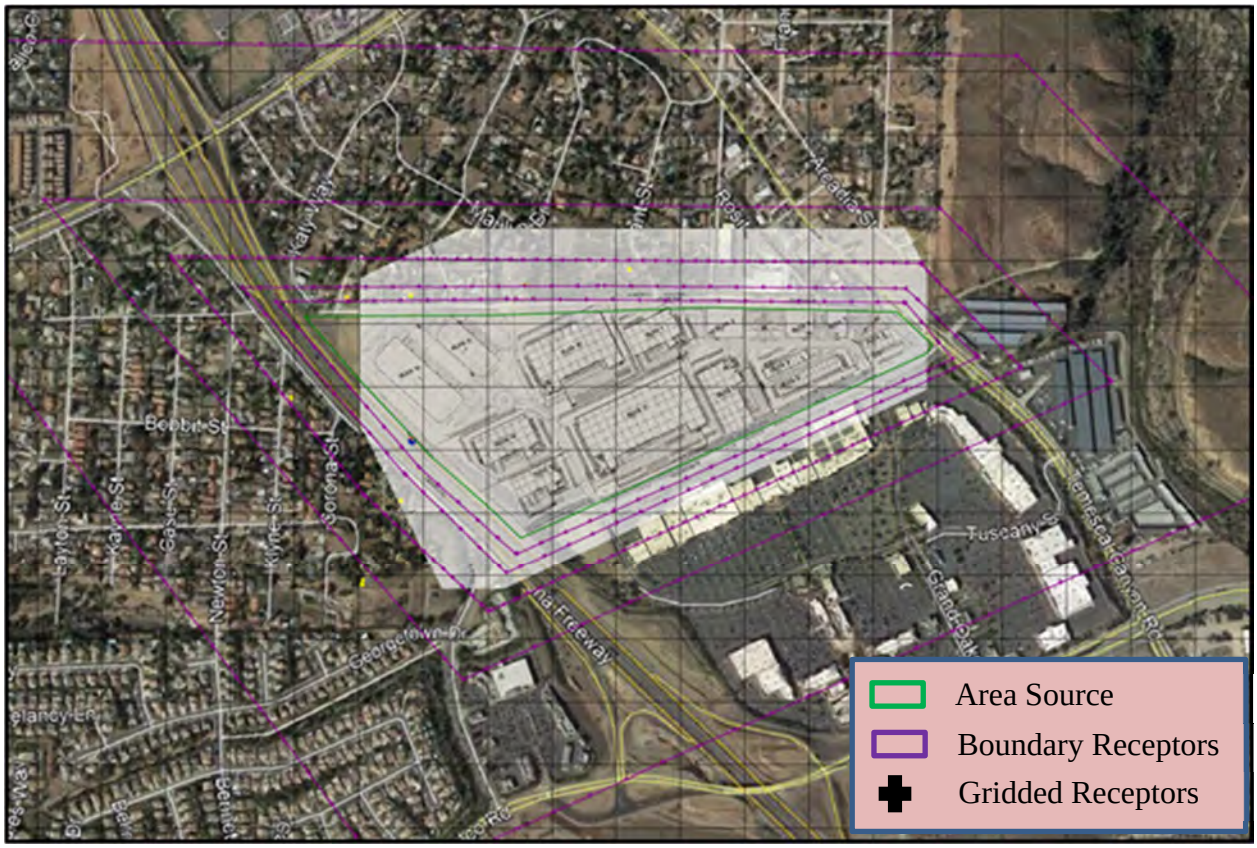
OEHHA recommends that an exposure duration (residency time) of 30 years be used to estimate individual cancer risk for the Maximally Exposed Individual Resident (MEIR). OEHHA also recommends that the 30-year exposure duration be used as the basis for public notification and risk reduction audits and plans. Exposure durations of 9-years and 70-years are also recommended to be evaluated for the MEIR to show the range of cancer risk based on residency periods. If a facility is notifying the public regarding cancer risk, the 9-and 70-year cancer risk estimates are useful for people who have resided in their current residence for periods shorter and longer than 30 years.

Demonstrating a projects compliance with OEHHA Cancer Risk thresholds are a significant part of demonstrating compliance with SCAQMDs AQMP and is critical to insuring less than significant impacts under CEQA.

3.2 Localized Threshold Construction Impacts

Utilizing the AERMOD dispersion model, project level air quality emissions for NO_x, and PM_{10} emissions were calculated utilizing an area source method with an area equal to the project boundaries and a source height of 3 meters. A series of concentric boundary receptors (Purple Polygons) was then utilized which represents the typical distances used by SCAQMD to calculate LSTs. The layout of the site is shown below in Figure 3-B.

Figure 3-B: AERMOD Area Source Modeling and Boundary Sources



Based on SCAQMD information, LST concentrations for PM_{10} is 10.4 µg/m^3 whenever background PM emissions exceed ambient air quality thresholds. To derive LST concentrations for NO_2, the difference between the ambient air quality standard and the ambient concentration for the pollutant must be determined. The following equation is used:

$$C_{pc} = C_{AAQS} - C_b$$

Where: C_{PC} = Project contribution emission levels in micrograms per cubic meter; and
C_b = Background Concentration measured at the closest air quality monitoring station in micrograms per cubic meter; and
C_{AAQS} = is the limiting state or federal standards in micrograms per cubic meter.

3.3 Construction Assumptions

The Project construction dates were estimated based a construction kickoff in early 2020 with earthwork expected to last about 3 months. Once all the earthwork is completed, the project would pave the roads and the start building construction. Buildout of the Project was assumed to be in the middle of 2021. Table 3.1 shows the expected timeframes for the construction processes for all the project infrastructure, facilities, improvements and residential structures at the proposed project location as well as the expected number of pieces of equipment.

It should be noted the Project has been previously approved and is currently under construction. For purposes of this analysis, the same dates are used. Should the Project's construction activities occur at a later date than analyzed in this report, construction equipment emissions are conservative due to the fact that an increased efficiency of construction equipment is expected over time.

Air Quality impacts related to construction will be calculated using the latest CalEEMod 2016.3.2 air quality model which was developed by Breeze Software for the South Coast Air Quality Management District (SCAQMD). CalEEMod incorporates emission factors from the EMFAC2014 model for on-road vehicle emissions and the OFFROAD2011 model for off-road vehicle emissions.

Table 3.1: Expected Construction Equipment

Equipment Identification	Proposed Start	Proposed Completion	Quantity
Site Preparation	01/01/2020	01/14/2020	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	01/15/2020	02/25/2020	
Excavators			2
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Tractors/Loaders/Backhoes			2
Paving	02/26/2020	03/24/2020	
Pavers			2
Paving Equipment			2
Rollers			2
Building Construction	03/25/2020	10/05/2021	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
Architectural Coating	03/25/2020	10/05/2021	
Air Compressors			1
This equipment list is based upon equipment inventory and estimates within CalEEMod 2016.3.2.			

3.4 Operational Emissions

Once construction is completed the proposed project would generate emissions from daily operations which would include sources such as Area, Energy, Mobile, Waste and Water uses, which are also calculated within CalEEMod. Area Sources include consumer products, landscaping and architectural coatings as part of regular maintenance. Energy sources would be from uses such as electricity and natural gas. Finally, mobile or transportation related emissions are calculated in CalEEMod through the use of EMFAC2014. The Operational model is also shown in ***Attachment A*** at the end of this report.

As noted in the traffic analysis (See Table A of the traffic study), the traffic modeling assumed a higher trip count by modifying actual truck trips to passenger car equivalents (PCE) (LL&G, November 2019). Table A breaks down the actual trips based on the number axels each truck would have. Since air quality impacts are based on truck size (number of axels), the air quality

analysis uses actual truck trips based on axels as reported in the project traffic study (See Table A). The model also estimates emission predictions for ROG, NOx, CO, SO_2, PM_{10} and $PM_{2.5}$ for area source assumptions. Additionally, the model was updated to reflect the estimated weekday Vehicle Miles Traveled (VMT) expected by the project (Fehr & Peers, 2019) with a yearly estimate of 10,802,025 VMT.

3.5 Odor Impacts (Onsite)

Potential onsite odor generators would include short term construction odors from activities such as paving and possibly painting. The construction odors would be considered short term and would not be considered an impact. Given this the Project will not have a potential to create offensive odors and would therefore not be considered an impact under CEQA.

4.0 FINDINGS

4.1 Construction Findings

Table 4.1 shows the calculated emissions from construction. Based on the results, no significant construction impacts are expected.

Table 4.1: Expected Construction Emissions Summary

Year	ROG	NO_x	CO	SO_2	PM_{10} (Dust)	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Dust)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
2020 (lb/day)	39.94	39.40	68.12	0.23	18.27	0.30	18.33	9.98	0.28	10.05
2021 (lb/day)	39.47	36.01	64.16	0.22	13.19	0.19	13.38	3.54	0.18	3.73
Significance Threshold (lb/day)	**75**	**100**	**550**	**150**	**-**	**-**	**150**	**-**	**-**	**55**
Exceeds Screening Threshold	**No**	**No**	**No**	**No**	**-**	**-**	**No**	**-**	**-**	**No**

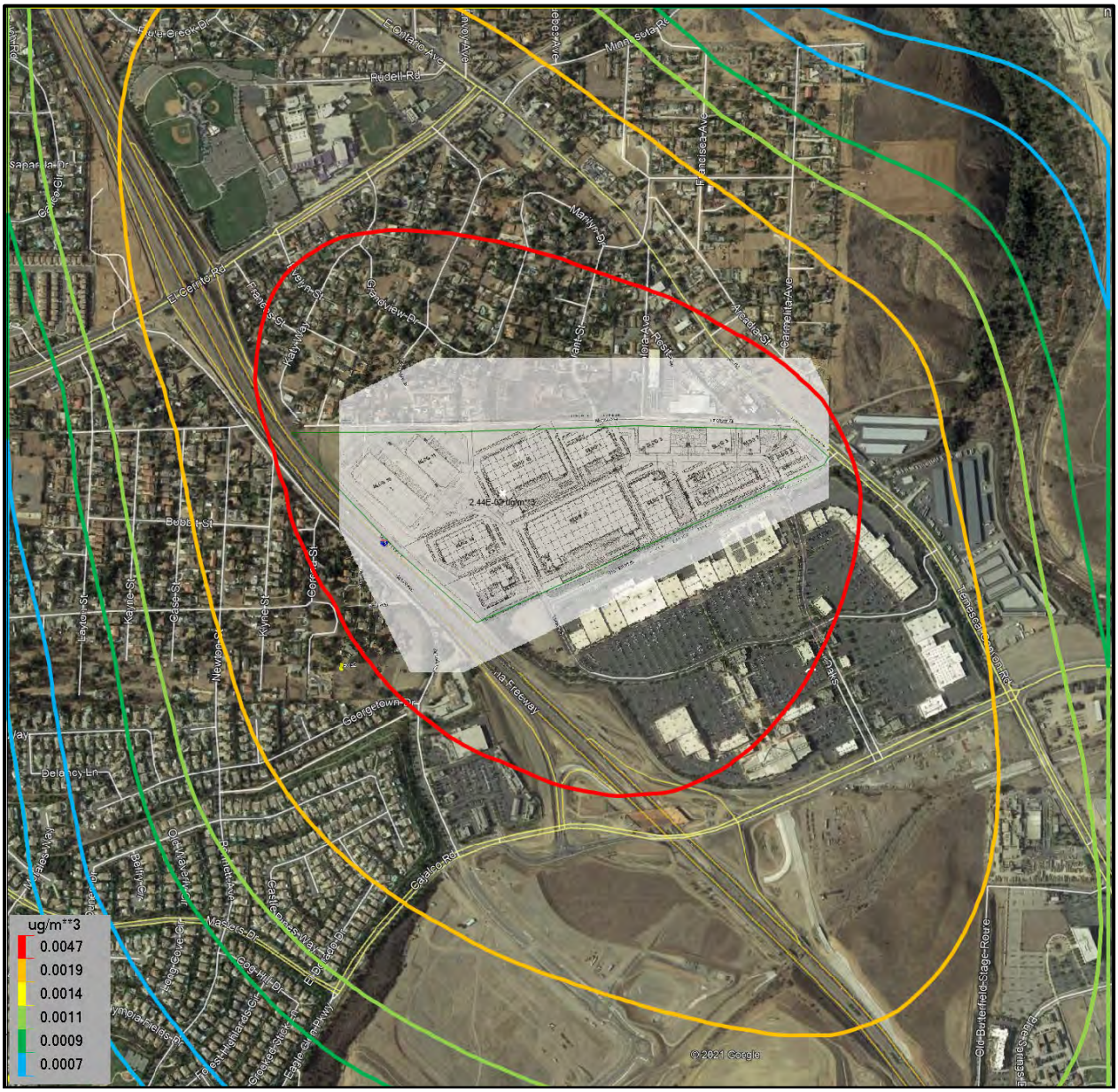
4.2 Construction Health Risk

Based on the modeling, PM_{10} from onsite construction equipment would cumulatively produce 0.00946 tons over the construction duration (643-calendar days) or an average of 0.000154 grams/second. It should be noted: the project would utilize Tier 4 equipment. The average emission rate over the grading area is $5.78x10^{-10}$ $g/m^2/s$, which was calculated as follows:

$$\frac{0.000154\,\frac{grams}{second}}{75acres * 4{,}046\,\frac{meters^2}{acre}} = 5.08 * 10^{-10}\ \frac{\frac{grams}{meters^2}}{second}$$

Utilizing the AERMOD dispersion model, we find that the peak maximum concentration is 0.0139 $\mu g/m^3$ at the nearest residential receptor to the north during the worst-case construction period. Therefore, utilizing the risk equation identified above in Section 3.1, the inhalation cancer risk for 70 years is 4.26 which will not exceed the 10 in one million thresholds. Given this, the construction would be considered less than significant under CEQA and would be in compliance. The emissions outputs are shown visually in Figures 4-A. The PM_{10} exhaust AERMOD input/output is provided in ***Attachment B*** and the Cancer Risk calculations is provided in ***Attachment C***. It should be noted that the Project operations were analyzed within a separate operational health risk analysis.

Figure 4-A: PM_{10} Exhaust – Annual Maximum Construction AERMOD Plot



4.3 Localized Significance Thresholds for Construction

SCAQMD also recommend using LST methodology which incorporates background ambient air quality data. LDN consulting utilized the AERMOD dispersion model for these calculations using an urban setting to determine project level emissions for NOx and PM10. Emissions were calculated utilizing multiple point sources over the project site. Total construction emissions were used as taken from CalEEMod and were normalized to the corresponding averaging time used by CAAQS methodology. An offset group of receptors were used consisting of concentric points outwards at 25, 50, 100, 200 and 500 meters were used however for purposes of graphing a 50 meter spaced discreet receptor grid was included. Finally, Tier 4 equipment was assumed as this equipment would be implemented as a design feature to this project.

Based upon the CalEEMod air quality modeling as shown in CalEEMod annual outputs, worst-case NO_x and PM_{10} would cumulatively produce 0.5381 and 0.2313 tons respectively over the construction duration of 643-days. The average rate over the project area is 0.0038 and 0.0088 grams per second or 3.29 $x10^{-8}$ $g/m^2/s$ and 1.41 $x10^{-8}$ $g/m^2/s$ for each pollutant during the construction day and was modeled as such within AERMOD ***(Attachments D and – E)***. Furthermore, emission output plots are shown in Figures 4-B and –C starting on the following page.

Based on these calculations, it was found that the project would not contribute emissions in significant quantities to exceed the LST and would not require any additional mitigation measures to comply. Table 4.2 shows the unmitigated results from AERMOD.

Table 4.2: AERMOD Modeling Results during construction (Unmitigated)

Pollutant	Averaging Time	Threshold	Background Ambient Air Quality Data		LST (µg/m3)	Project Contribution (µg/m3)					Sig.?
			Data	(µg/m3)		25 (m)	50 (m)	100 (m)	200 (m)	500 (m)	
NOx	1 Hour	0.18 ppm (339 µg/m^3)	0.049 ppm	92.28	245.1	9.14	9.14	9.14	6.33	6.33	No
PM_{10}	24 Hour	10.4 µg/m3	134.1 µg/m^3	134.1	10.4	0.77	0.77	0.77	0.38	0.38	No

Figure 4-B: NOx – 1HR Maximum Construction AERMOD Plot

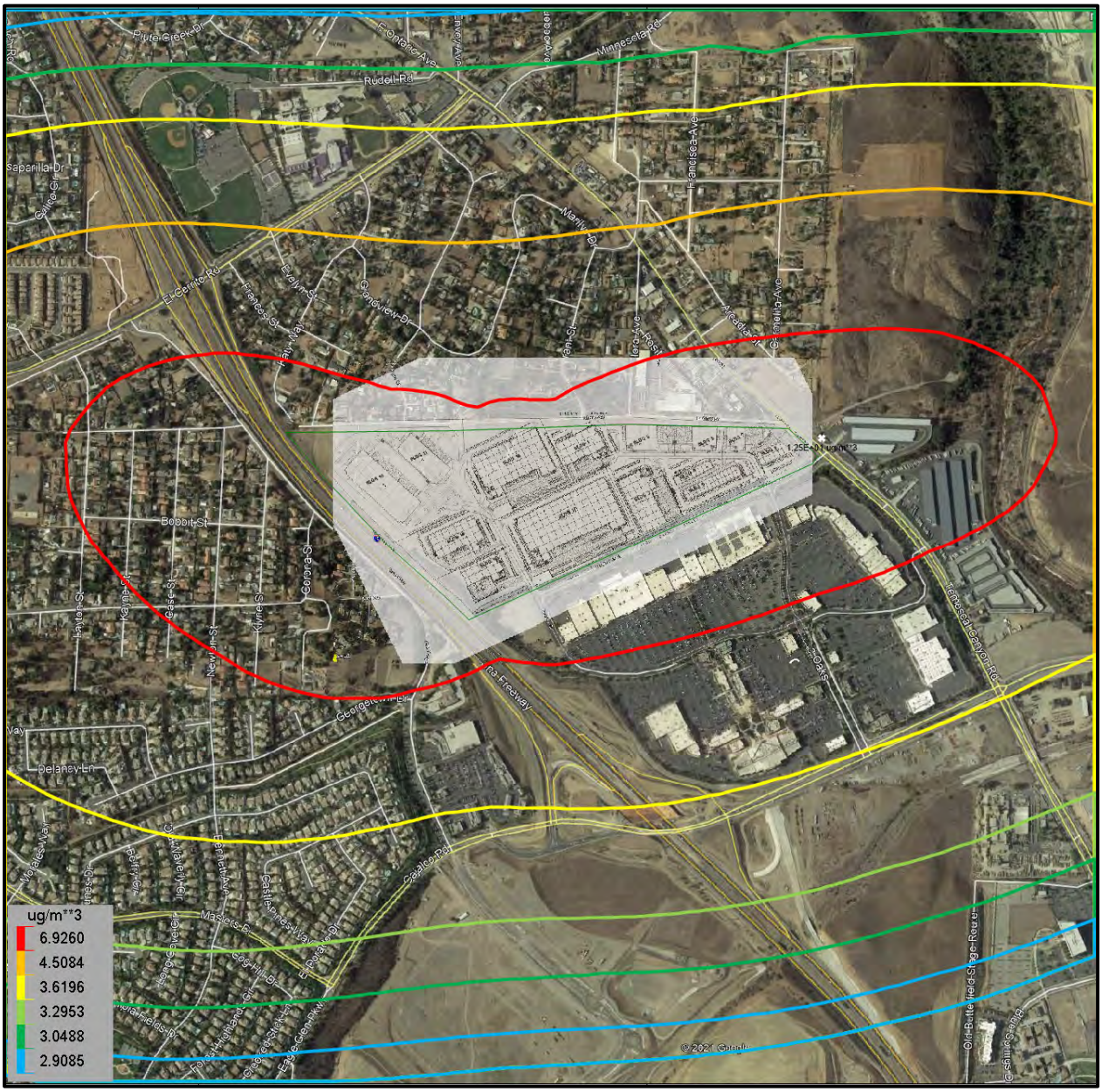
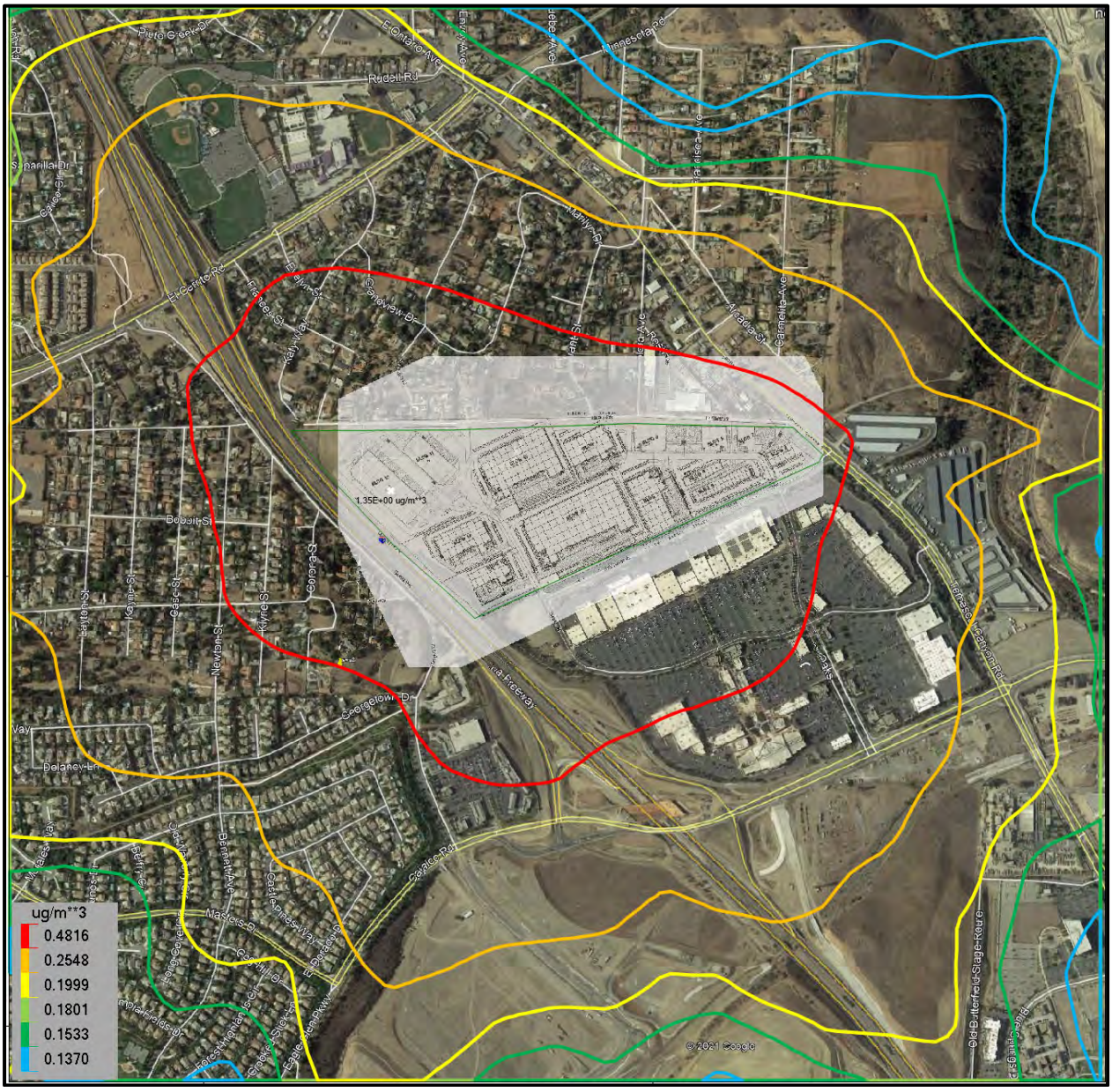


Figure 4-C: PM_{10} – 24HR Maximum Construction AERMOD Plot



The proposed Project has been designed in accordance with the existing site zoning designation and is consistent with the City's General Plan. Since no direct operation on construction impacts are expected, the proposed project would be consistent with the SIP and local AQMP. Given this, less than significant cumulative operational impacts would be expected.

4.4 Operational Findings

Once construction is completed the proposed project would generate air quality emissions from daily operations which would include sources such as Area, Energy, Mobile, Solid Waste and Water uses, which are calculated within CalEEMod. Area sources are from consumer products, landscaping and architectural coatings which can be attributed to regular maintenance. Energy sources would be from uses such as electricity and natural gas.

Finally, the project would also generate air quality emissions through the use of carbon fuel burning vehicles for transportation. Mobile trips were updated within CalEEMod to reflect the total vehicular miles traveled as discussed in Section 3.4 of this report. Operational emissions are shown in Table 4.3. Based on these emissions, no impacts would be expected.

Table 4.3: Expected Daily Pollutant Generation

	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Summer Scenario						
Area Source Emission Estimates (Lb/Day)	24.43	0.00	0.34	0.00	0.00	0.00
Energy Source Emissions (Lb/Day)	0.66	5.98	5.02	0.04	0.45	0.45
Operational Vehicle Emissions (Lb/Day)	6.62	44.70	98.16	0.41	32.68	8.98
Total with Design Features (Lb/Day)	31.70	50.69	103.52	0.44	33.13	9.44
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Winter Scenario						
Area Source Emission Estimates (Lb/Day)	24.43	0.00	0.34	0.00	0.00	0.00
Energy Source Emissions (Lb/Day)	0.66	5.98	5.02	0.04	0.45	0.45
Operational Vehicle Emissions (Lb/Day)	6.39	45.71	91.57	0.39	32.68	8.98
Total with Design Features (Lb/Day)	**31.48**	**51.70**	**96.93**	**0.43**	**33.13**	**9.44**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Daily pollutant generation assumes trip distances within CALLEEMOD 2016.3.2						

4.5 Odor Impact Findings

Odor impacts from construction operations would be considered short term events and would not be considered an impact. Long term operations will not create offensive odors and would not create any operational odor impacts.

4.6 Conclusion of Findings

During construction of the proposed Project, fugitive dust emissions would be expected but would not exceed thresholds established by the SCAQMD. Given this, no construction emissions will require mitigation. Furthermore, the project would not generate localized significance threshold impacts. It should be noted however, as a design feature, the project will utilize Tier 4 construction equipment. Since all emission calculations are based upon this assumption within this analysis, using Tier 4 equipment will be a condition to approval of this project.

Operationally, this project was found to generate less than significant air quality emissions. Based on this, operational air quality impacts would not be expected.

Finally, the proposed Project would not be expected to generate offensive odors and would therefore not impact any sensitive receptors.

To reiterate requirements within this analysis, the following measures are required and though they are design features are assumed within air quality modeling calculations. Given this, the following measures will be conditions to the project.

- The project will only utilize Tier 4 diesel construction equipment.

5.0 REFERENCES

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ATTACHMENT A

CALLEEMOD 2016.3.2

Latitude Business Park (2022)

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	205.77	1000sqft	10.50	205,770.00	0
Industrial Park	174.06	1000sqft	10.50	174,060.00	0
Manufacturing	159.74	1000sqft	10.50	159,740.00	0
Refrigerated Warehouse-No Rail	175.00	1000sqft	3.44	175,000.00	0
Unrefrigerated Warehouse-No Rail	360.21	1000sqft	7.06	360,210.00	0
Parking Lot	2,247.00	Space	24.00	898,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	536.32	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - RPS 2022 included

Land Use - site ac

Construction Phase - CS

Trips and VMT -

Architectural Coating -

Vehicle Trips - Default

Area Coating - sf

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - adjusted to fit TS... General Industrial, Industrial Park set to default as TS doesn't estimate

Table Name	Column Name	Default Value	New Value
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	41.9413	57.9060	67.5091	0.2266	18.2675	2.1990	20.4664	9.9840	2.0230	12.0071	0.0000	23,026.8419	23,026.8419	1.9490	0.0000	23,065.2571
2021	41.2366	52.6078	63.2628	0.2221	13.1886	1.1982	14.3867	3.5445	1.1316	4.6761	0.0000	22,593.4729	22,593.4729	1.4729	0.0000	22,630.2966
Maximum	**41.9413**	**57.9060**	**67.5091**	**0.2266**	**18.2675**	**2.1990**	**20.4664**	**9.9840**	**2.0230**	**12.0071**	**0.0000**	**23,026.8419**	**23,026.8419**	**1.9490**	**0.0000**	**23,065.2571**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	39.9368	39.3996	68.1219	0.2266	18.2675	0.2980	18.3311	9.9840	0.2840	10.0475	0.0000	23,026.8419	23,026.8419	1.9490	0.0000	23,065.2571
2021	39.4743	36.0124	64.1627	0.2221	13.1886	0.1902	13.3788	3.5445	0.1810	3.7255	0.0000	22,593.4729	22,593.4729	1.4729	0.0000	22,630.2966
Maximum	**39.9368**	**39.3996**	**68.1219**	**0.2266**	**18.2675**	**0.2980**	**18.3311**	**9.9840**	**0.2840**	**10.0475**	**0.0000**	**23,026.8419**	**23,026.8419**	**1.9490**	**0.0000**	**23,065.2571**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.53**	**31.76**	**-1.16**	**0.00**	**0.00**	**85.63**	**9.02**	**0.00**	**85.26**	**17.44**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Energy	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952
Mobile	6.6156	44.7029	98.1573	0.4083	32.3502	0.3254	32.6756	8.6774	0.3047	8.9820		41,771.6046	41,771.6046	1.9444		41,820.2139
Total	**31.7022**	**50.6873**	**103.5213**	**0.4442**	**32.3502**	**0.7812**	**33.1314**	**8.6774**	**0.7605**	**9.4378**		**48,949.9737**	**48,949.9737**	**2.0839**	**0.1316**	**49,041.2840**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Energy	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952
Mobile	6.6156	44.7029	98.1573	0.4083	32.3502	0.3254	32.6756	8.6774	0.3047	8.9820		41,771.6046	41,771.6046	1.9444		41,820.2139
Total	**31.7022**	**50.6873**	**103.5213**	**0.4442**	**32.3502**	**0.7812**	**33.1314**	**8.6774**	**0.7605**	**9.4378**		**48,949.9737**	**48,949.9737**	**2.0839**	**0.1316**	**49,041.2840**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Paving	Paving	2/26/2020	3/24/2020	5	20	
4	Building Construction	Building Construction	3/25/2020	10/5/2021	5	400	
5	Architectural Coating	Architectural Coating	8/12/2020	10/5/2021	5	300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 24

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,612,170; Non-Residential Outdoor: 537,390; Striped Parking Area: 53,928 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	829.00	323.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	166.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0546	0.7336	2.0700e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		205.8905	205.8905	5.9300e-003		206.0389
Total	**0.0807**	**0.0546**	**0.7336**	**2.0700e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**205.8905**	**205.8905**	**5.9300e-003**		**206.0389**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**18.0663**	**0.0621**	**18.1283**	**9.9307**	**0.0621**	**9.9928**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0546	0.7336	2.0700e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		205.8905	205.8905	5.9300e-003		206.0389
Total	**0.0807**	**0.0546**	**0.7336**	**2.0700e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**205.8905**	**205.8905**	**5.9300e-003**		**206.0389**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**8.6733**	**2.1739**	**10.8472**	**3.5965**	**2.0000**	**5.5965**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0897	0.0607	0.8152	2.3000e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		228.7673	228.7673	6.5900e-003		228.9321
Total	**0.0897**	**0.0607**	**0.8152**	**2.3000e-003**	**0.2236**	**1.7100e-003**	**0.2253**	**0.0593**	**1.5700e-003**	**0.0609**		**228.7673**	**228.7673**	**6.5900e-003**		**228.9321**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**0.7616**	**3.3000**	**32.9991**	**0.0620**	**8.6733**	**0.1015**	**8.7749**	**3.5965**	**0.1015**	**3.6980**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0897	0.0607	0.8152	2.3000e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		228.7673	228.7673	6.5900e-003		228.9321
Total	**0.0897**	**0.0607**	**0.8152**	**2.3000e-003**	**0.2236**	**1.7100e-003**	**0.2253**	**0.0593**	**1.5700e-003**	**0.0609**		**228.7673**	**228.7673**	**6.5900e-003**		**228.9321**

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	3.1440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.5006**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.4 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0455	0.6114	1.7200e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1800e-003	0.0456		171.5755	171.5755	4.9400e-003		171.6991
Total	**0.0673**	**0.0455**	**0.6114**	**1.7200e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1800e-003**	**0.0456**		**171.5755**	**171.5755**	**4.9400e-003**		**171.6991**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	3.1440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.4245**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.4 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0455	0.6114	1.7200e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1800e-003	0.0456		171.5755	171.5755	4.9400e-003		171.6991
Total	**0.0673**	**0.0455**	**0.6114**	**1.7200e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1800e-003**	**0.0456**		**171.5755**	**171.5755**	**4.9400e-003**		**171.6991**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0723	34.0190	8.2751	0.0824	2.0668	0.1684	2.2352	0.5950	0.1611	0.7561		8,811.1593	8,811.1593	0.5640		8,825.2586
Worker	3.7185	2.5138	33.7883	0.0952	9.2663	0.0707	9.3370	2.4575	0.0651	2.5226		9,482.4032	9,482.4032	0.2733		9,489.2349
Total	**4.7908**	**36.5328**	**42.0634**	**0.1776**	**11.3331**	**0.2391**	**11.5722**	**3.0524**	**0.2262**	**3.2787**		**18,293.5625**	**18,293.5625**	**0.8372**		**18,314.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0723	34.0190	8.2751	0.0824	2.0668	0.1684	2.2352	0.5950	0.1611	0.7561		8,811.1593	8,811.1593	0.5640		8,825.2586
Worker	3.7185	2.5138	33.7883	0.0952	9.2663	0.0707	9.3370	2.4575	0.0651	2.5226		9,482.4032	9,482.4032	0.2733		9,489.2349
Total	**4.7908**	**36.5328**	**42.0634**	**0.1776**	**11.3331**	**0.2391**	**11.5722**	**3.0524**	**0.2262**	**3.2787**		**18,293.5625**	**18,293.5625**	**0.8372**		**18,314.4935**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9087	30.9328	7.5109	0.0817	2.0668	0.0632	2.1300	0.5950	0.0604	0.6554		8,745.0230	8,745.0230	0.5408		8,758.5424
Worker	3.4695	2.2629	31.1264	0.0921	9.2663	0.0686	9.3348	2.4575	0.0632	2.5206		9,176.1868	9,176.1868	0.2473		9,182.3698
Total	**4.3782**	**33.1958**	**38.6373**	**0.1738**	**11.3331**	**0.1317**	**11.4648**	**3.0524**	**0.1236**	**3.1760**		**17,921.2098**	**17,921.2098**	**0.7881**		**17,940.9122**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9087	30.9328	7.5109	0.0817	2.0668	0.0632	2.1300	0.5950	0.0604	0.6554		8,745.0230	8,745.0230	0.5408		8,758.5424
Worker	3.4695	2.2629	31.1264	0.0921	9.2663	0.0686	9.3348	2.4575	0.0632	2.5206		9,176.1868	9,176.1868	0.2473		9,182.3698
Total	**4.3782**	**33.1958**	**38.6373**	**0.1738**	**11.3331**	**0.1317**	**11.4648**	**3.0524**	**0.1236**	**3.1760**		**17,921.2098**	**17,921.2098**	**0.7881**		**17,940.9122**

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**34.2861**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7446	0.5034	6.7658	0.0191	1.8555	0.0142	1.8696	0.4921	0.0130	0.5051		1,898.7683	1,898.7683	0.0547		1,900.1363
Total	**0.7446**	**0.5034**	**6.7658**	**0.0191**	**1.8555**	**0.0142**	**1.8696**	**0.4921**	**0.0130**	**0.5051**		**1,898.7683**	**1,898.7683**	**0.0547**		**1,900.1363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**34.0736**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7446	0.5034	6.7658	0.0191	1.8555	0.0142	1.8696	0.4921	0.0130	0.5051		1,898.7683	1,898.7683	0.0547		1,900.1363
Total	**0.7446**	**0.5034**	**6.7658**	**0.0191**	**1.8555**	**0.0142**	**1.8696**	**0.4921**	**0.0130**	**0.5051**		**1,898.7683**	**1,898.7683**	**0.0547**		**1,900.1363**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**34.2628**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6947	0.4531	6.2328	0.0184	1.8555	0.0137	1.8692	0.4921	0.0127	0.5047		1,837.4512	1,837.4512	0.0495		1,838.6893
Total	**0.6947**	**0.4531**	**6.2328**	**0.0184**	**1.8555**	**0.0137**	**1.8692**	**0.4921**	**0.0127**	**0.5047**		**1,837.4512**	**1,837.4512**	**0.0495**		**1,838.6893**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**34.0736**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6947	0.4531	6.2328	0.0184	1.8555	0.0137	1.8692	0.4921	0.0127	0.5047		1,837.4512	1,837.4512	0.0495		1,838.6893
Total	**0.6947**	**0.4531**	**6.2328**	**0.0184**	**1.8555**	**0.0137**	**1.8692**	**0.4921**	**0.0127**	**0.5047**		**1,837.4512**	**1,837.4512**	**0.0495**		**1,838.6893**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6156	44.7029	98.1573	0.4083	32.3502	0.3254	32.6756	8.6774	0.3047	8.9820		41,771.6046	41,771.6046	1.9444		41,820.2139
Unmitigated	6.6156	44.7029	98.1573	0.4083	32.3502	0.3254	32.6756	8.6774	0.3047	8.9820		41,771.6046	41,771.6046	1.9444		41,820.2139

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,020.62	0.00	0.00	3,581,583	3,581,583
Industrial Park	586.58	0.00	0.00	1,848,635	1,848,635
Manufacturing	627.78	0.00	0.00	2,203,015	2,203,015
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	304.50	0.00	0.00	1,037,552	1,037,552
Unrefrigerated Warehouse-No Rail	626.77	0.00	0.00	2,135,638	2,135,638
Total	3,166.25	0.00	0.00	10,806,424	10,806,424

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Industrial Park	19.02	8.40	6.90	59.00	28.00	13.00	79	19	2
Manufacturing	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Industrial Park	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Refrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Latitude Business Park (2022) - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952
NaturalGas Unmitigated	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	18316.3	0.1975	1.7957	1.5084	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.8646	2,154.8646	0.0413	0.0395	2,167.6698
Industrial Park	1654.76	0.0179	0.1622	0.1363	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.6779	194.6779	3.7300e-003	3.5700e-003	195.8348
Manufacturing	14219	0.1533	1.3940	1.1710	8.3600e-003		0.1060	0.1060		0.1060	0.1060		1,672.8292	1,672.8292	0.0321	0.0307	1,682.7700
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	24816.4	0.2676	2.4330	2.0437	0.0146		0.1849	0.1849		0.1849	0.1849		2,919.5810	2,919.5810	0.0560	0.0535	2,936.9306
Unrefrigerated Warehouse-No Rail	2003.36	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6894	235.6894	4.5200e-003	4.3200e-003	237.0900
Total		**0.6580**	**5.9814**	**5.0244**	**0.0359**		**0.4546**	**0.4546**		**0.4546**	**0.4546**		**7,177.6420**	**7,177.6420**	**0.1376**	**0.1316**	**7,220.2952**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	18.3163	0.1975	1.7957	1.5084	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.8646	2,154.8646	0.0413	0.0395	2,167.6698
Industrial Park	1.65476	0.0179	0.1622	0.1363	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.6779	194.6779	3.7300e-003	3.5700e-003	195.8348
Manufacturing	14.219	0.1533	1.3940	1.1710	8.3600e-003		0.1060	0.1060		0.1060	0.1060		1,672.8292	1,672.8292	0.0321	0.0307	1,682.7700
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	24.8164	0.2676	2.4330	2.0437	0.0146		0.1849	0.1849		0.1849	0.1849		2,919.5810	2,919.5810	0.0560	0.0535	2,936.9306
Unrefrigerated Warehouse-No Rail	2.00336	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6894	235.6894	4.5200e-003	4.3200e-003	237.0900
Total		**0.6580**	**5.9814**	**5.0244**	**0.0359**		**0.4546**	**0.4546**		**0.4546**	**0.4546**		**7,177.6420**	**7,177.6420**	**0.1376**	**0.1316**	**7,220.2952**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Unmitigated	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.5990					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0316	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Total	**24.4287**	**3.1000e-003**	**0.3397**	**3.0000e-005**		**1.2100e-003**	**1.2100e-003**		**1.2100e-003**	**1.2100e-003**		**0.7270**	**0.7270**	**1.9200e-003**		**0.7749**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.5990					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0316	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Total	**24.4287**	**3.1000e-003**	**0.3397**	**3.0000e-005**		**1.2100e-003**	**1.2100e-003**		**1.2100e-003**	**1.2100e-003**		**0.7270**	**0.7270**	**1.9200e-003**		**0.7749**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Latitude Business Park (2022)

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	205.77	1000sqft	10.50	205,770.00	0
Industrial Park	174.06	1000sqft	10.50	174,060.00	0
Manufacturing	159.74	1000sqft	10.50	159,740.00	0
Refrigerated Warehouse-No Rail	175.00	1000sqft	3.44	175,000.00	0
Unrefrigerated Warehouse-No Rail	360.21	1000sqft	7.06	360,210.00	0
Parking Lot	2,247.00	Space	24.00	898,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	536.32	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - RPS 2022 included

Land Use - site ac

Construction Phase - CS

Trips and VMT -

Architectural Coating -

Vehicle Trips - Default

Area Coating - sf

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - adjusted to fit TS... General Industrial, Industrial Park set to default as TS doesn't estimate

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	40.00	10.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	1,110.00	400.00
tblConstructionPhase	NumDays	75.00	300.00
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.09
tblFleetMix	HHD	0.03	0.09
tblFleetMix	HHD	0.03	0.09
tblFleetMix	LDT2	0.20	0.24

tblFleetMix	LDT2	0.20	0.24
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	0.04
tblFleetMix	MHD	0.02	0.04
tblFleetMix	MHD	0.02	0.04
tblLandUse	LotAcreage	4.72	10.50
tblLandUse	LotAcreage	4.00	10.50
tblLandUse	LotAcreage	3.67	10.50
tblLandUse	LotAcreage	4.02	3.44
tblLandUse	LotAcreage	8.27	7.06
tblLandUse	LotAcreage	20.22	24.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	536.32
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02

tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.62	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	6.83	3.37
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74
tblVehicleTrips	WD_TR	1.68	1.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	42.4369	58.1903	64.6227	0.2172	18.2675	2.1990	20.4664	9.9840	2.0230	12.0071	0.0000	22,081.0712	22,081.0712	1.9486	0.0000	22,119.9376
2021	41.7071	52.8017	60.5586	0.2131	13.1886	1.2002	14.3887	3.5445	1.1335	4.6780	0.0000	21,671.3891	21,671.3891	1.4911	0.0000	21,708.6660
Maximum	**42.4369**	**58.1903**	**64.6227**	**0.2172**	**18.2675**	**2.1990**	**20.4664**	**9.9840**	**2.0230**	**12.0071**	**0.0000**	**22,081.0712**	**22,081.0712**	**1.9486**	**0.0000**	**22,119.9376**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	40.4324	39.6839	65.2354	0.2172	18.2675	0.3005	18.3311	9.9840	0.2864	10.0475	0.0000	22,081.0712	22,081.0712	1.9486	0.0000	22,119.9375
2021	39.9448	36.2062	61.4585	0.2131	13.1886	0.1922	13.3808	3.5445	0.1829	3.7274	0.0000	21,671.3891	21,671.3891	1.4911	0.0000	21,708.6660
Maximum	**40.4324**	**39.6839**	**65.2354**	**0.2172**	**18.2675**	**0.3005**	**18.3311**	**9.9840**	**0.2864**	**10.0475**	**0.0000**	**22,081.0712**	**22,081.0712**	**1.9486**	**0.0000**	**22,119.9375**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.48**	**31.63**	**-1.21**	**0.00**	**0.00**	**85.50**	**9.02**	**0.00**	**85.13**	**17.44**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Energy	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952
Mobile	6.3945	45.7137	91.5676	0.3891	32.3502	0.3270	32.6773	8.6774	0.3063	8.9837		39,842.1328	39,842.1328	1.9423		39,890.6892
Total	**31.4812**	**51.6982**	**96.9317**	**0.4250**	**32.3502**	**0.7828**	**33.1330**	**8.6774**	**0.7621**	**9.4394**		**47,020.5018**	**47,020.5018**	**2.0818**	**0.1316**	**47,111.7593**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Energy	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952
Mobile	6.3945	45.7137	91.5676	0.3891	32.3502	0.3270	32.6773	8.6774	0.3063	8.9837		39,842.1328	39,842.1328	1.9423		39,890.6892
Total	**31.4812**	**51.6982**	**96.9317**	**0.4250**	**32.3502**	**0.7828**	**33.1330**	**8.6774**	**0.7621**	**9.4394**		**47,020.5018**	**47,020.5018**	**2.0818**	**0.1316**	**47,111.7593**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Paving	Paving	2/26/2020	3/24/2020	5	20	
4	Building Construction	Building Construction	3/25/2020	10/5/2021	5	400	
5	Architectural Coating	Architectural Coating	8/12/2020	10/5/2021	5	300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 24

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,612,170; Non-Residential Outdoor: 537,390; Striped Parking Area: 53,928 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	829.00	323.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	166.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0600	0.6653	1.9400e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		193.1132	193.1132	5.5600e-003		193.2522
Total	**0.0888**	**0.0600**	**0.6653**	**1.9400e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**193.1132**	**193.1132**	**5.5600e-003**		**193.2522**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**18.0663**	**0.0621**	**18.1283**	**9.9307**	**0.0621**	**9.9928**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0600	0.6653	1.9400e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		193.1132	193.1132	5.5600e-003		193.2522
Total	**0.0888**	**0.0600**	**0.6653**	**1.9400e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**193.1132**	**193.1132**	**5.5600e-003**		**193.2522**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**8.6733**	**2.1739**	**10.8472**	**3.5965**	**2.0000**	**5.5965**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0987	0.0666	0.7392	2.1500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		214.5703	214.5703	6.1800e-003		214.7247
Total	**0.0987**	**0.0666**	**0.7392**	**2.1500e-003**	**0.2236**	**1.7100e-003**	**0.2253**	**0.0593**	**1.5700e-003**	**0.0609**		**214.5703**	**214.5703**	**6.1800e-003**		**214.7247**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**0.7616**	**3.3000**	**32.9991**	**0.0620**	**8.6733**	**0.1015**	**8.7749**	**3.5965**	**0.1015**	**3.6980**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0987	0.0666	0.7392	2.1500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		214.5703	214.5703	6.1800e-003		214.7247
Total	**0.0987**	**0.0666**	**0.7392**	**2.1500e-003**	**0.2236**	**1.7100e-003**	**0.2253**	**0.0593**	**1.5700e-003**	**0.0609**		**214.5703**	**214.5703**	**6.1800e-003**		**214.7247**

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	3.1440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.5006**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.4 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0740	0.0500	0.5544	1.6200e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1800e-003	0.0456		160.9277	160.9277	4.6300e-003		161.0435
Total	**0.0740**	**0.0500**	**0.5544**	**1.6200e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1800e-003**	**0.0456**		**160.9277**	**160.9277**	**4.6300e-003**		**161.0435**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	3.1440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.4245**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.4 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0740	0.0500	0.5544	1.6200e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1800e-003	0.0456		160.9277	160.9277	4.6300e-003		161.0435
Total	**0.0740**	**0.0500**	**0.5544**	**1.6200e-003**	**0.1677**	**1.2800e-003**	**0.1689**	**0.0445**	**1.1800e-003**	**0.0456**		**160.9277**	**160.9277**	**4.6300e-003**		**161.0435**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1213	34.0062	9.1693	0.0802	2.0668	0.1710	2.2378	0.5950	0.1635	0.7585		8,571.6898	8,571.6898	0.6028		8,586.7585
Worker	4.0906	2.7613	30.6384	0.0893	9.2663	0.0707	9.3370	2.4575	0.0651	2.5226		8,893.9372	8,893.9372	0.2560		8,900.3371
Total	**5.2119**	**36.7675**	**39.8077**	**0.1695**	**11.3331**	**0.2416**	**11.5747**	**3.0524**	**0.2286**	**3.2811**		**17,465.6269**	**17,465.6269**	**0.8588**		**17,487.0956**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1213	34.0062	9.1693	0.0802	2.0668	0.1710	2.2378	0.5950	0.1635	0.7585		8,571.6898	8,571.6898	0.6028		8,586.7585
Worker	4.0906	2.7613	30.6384	0.0893	9.2663	0.0707	9.3370	2.4575	0.0651	2.5226		8,893.9372	8,893.9372	0.2560		8,900.3371
Total	**5.2119**	**36.7675**	**39.8077**	**0.1695**	**11.3331**	**0.2416**	**11.5747**	**3.0524**	**0.2286**	**3.2811**		**17,465.6269**	**17,465.6269**	**0.8588**		**17,487.0956**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9547	30.8600	8.3491	0.0795	2.0668	0.0651	2.1319	0.5950	0.0623	0.6573		8,506.9732	8,506.9732	0.5779		8,521.4214
Worker	3.8231	2.4852	28.1749	0.0864	9.2663	0.0686	9.3348	2.4575	0.0632	2.5206		8,606.2731	8,606.2731	0.2315		8,612.0598
Total	**4.7778**	**33.3451**	**36.5241**	**0.1659**	**11.3331**	**0.1337**	**11.4668**	**3.0524**	**0.1255**	**3.1779**		**17,113.2462**	**17,113.2462**	**0.8094**		**17,133.4812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9547	30.8600	8.3491	0.0795	2.0668	0.0651	2.1319	0.5950	0.0623	0.6573		8,506.9732	8,506.9732	0.5779		8,521.4214
Worker	3.8231	2.4852	28.1749	0.0864	9.2663	0.0686	9.3348	2.4575	0.0632	2.5206		8,606.2731	8,606.2731	0.2315		8,612.0598
Total	**4.7778**	**33.3451**	**36.5241**	**0.1659**	**11.3331**	**0.1337**	**11.4668**	**3.0524**	**0.1255**	**3.1779**		**17,113.2462**	**17,113.2462**	**0.8094**		**17,133.4812**

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**34.2861**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8191	0.5529	6.1351	0.0179	1.8555	0.0142	1.8696	0.4921	0.0130	0.5051		1,780.9331	1,780.9331	0.0513		1,782.2147
Total	**0.8191**	**0.5529**	**6.1351**	**0.0179**	**1.8555**	**0.0142**	**1.8696**	**0.4921**	**0.0130**	**0.5051**		**1,780.9331**	**1,780.9331**	**0.0513**		**1,782.2147**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**34.0736**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8191	0.5529	6.1351	0.0179	1.8555	0.0142	1.8696	0.4921	0.0130	0.5051		1,780.9331	1,780.9331	0.0513		1,782.2147
Total	**0.8191**	**0.5529**	**6.1351**	**0.0179**	**1.8555**	**0.0142**	**1.8696**	**0.4921**	**0.0130**	**0.5051**		**1,780.9331**	**1,780.9331**	**0.0513**		**1,782.2147**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**34.2628**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7655	0.4976	5.6418	0.0173	1.8555	0.0137	1.8692	0.4921	0.0127	0.5047		1,723.3309	1,723.3309	0.0464		1,724.4897
Total	**0.7655**	**0.4976**	**5.6418**	**0.0173**	**1.8555**	**0.0137**	**1.8692**	**0.4921**	**0.0127**	**0.5047**		**1,723.3309**	**1,723.3309**	**0.0464**		**1,724.4897**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**34.0736**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7655	0.4976	5.6418	0.0173	1.8555	0.0137	1.8692	0.4921	0.0127	0.5047		1,723.3309	1,723.3309	0.0464		1,724.4897
Total	**0.7655**	**0.4976**	**5.6418**	**0.0173**	**1.8555**	**0.0137**	**1.8692**	**0.4921**	**0.0127**	**0.5047**		**1,723.3309**	**1,723.3309**	**0.0464**		**1,724.4897**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3945	45.7137	91.5676	0.3891	32.3502	0.3270	32.6773	8.6774	0.3063	8.9837		39,842.1328	39,842.1328	1.9423		39,890.6892
Unmitigated	6.3945	45.7137	91.5676	0.3891	32.3502	0.3270	32.6773	8.6774	0.3063	8.9837		39,842.1328	39,842.1328	1.9423		39,890.6892

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,020.62	0.00	0.00	3,581,583	3,581,583
Industrial Park	586.58	0.00	0.00	1,848,635	1,848,635
Manufacturing	627.78	0.00	0.00	2,203,015	2,203,015
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	304.50	0.00	0.00	1,037,552	1,037,552
Unrefrigerated Warehouse-No Rail	626.77	0.00	0.00	2,135,638	2,135,638
Total	3,166.25	0.00	0.00	10,806,424	10,806,424

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Industrial Park	19.02	8.40	6.90	59.00	28.00	13.00	79	19	2
Manufacturing	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Industrial Park	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Refrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Latitude Business Park (2022) - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952
NaturalGas Unmitigated	0.6580	5.9814	5.0244	0.0359		0.4546	0.4546		0.4546	0.4546		7,177.6420	7,177.6420	0.1376	0.1316	7,220.2952

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	18316.3	0.1975	1.7957	1.5084	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.8646	2,154.8646	0.0413	0.0395	2,167.6698
Industrial Park	1654.76	0.0179	0.1622	0.1363	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.6779	194.6779	3.7300e-003	3.5700e-003	195.8348
Manufacturing	14219	0.1533	1.3940	1.1710	8.3600e-003		0.1060	0.1060		0.1060	0.1060		1,672.8292	1,672.8292	0.0321	0.0307	1,682.7700
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	24816.4	0.2676	2.4330	2.0437	0.0146		0.1849	0.1849		0.1849	0.1849		2,919.5810	2,919.5810	0.0560	0.0535	2,936.9306
Unrefrigerated Warehouse-No Rail	2003.36	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6894	235.6894	4.5200e-003	4.3200e-003	237.0900
Total		**0.6580**	**5.9814**	**5.0244**	**0.0359**		**0.4546**	**0.4546**		**0.4546**	**0.4546**		**7,177.6420**	**7,177.6420**	**0.1376**	**0.1316**	**7,220.2952**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	18.3163	0.1975	1.7957	1.5084	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.8646	2,154.8646	0.0413	0.0395	2,167.6698
Industrial Park	1.65476	0.0179	0.1622	0.1363	9.7000e-004		0.0123	0.0123		0.0123	0.0123		194.6779	194.6779	3.7300e-003	3.5700e-003	195.8348
Manufacturing	14.219	0.1533	1.3940	1.1710	8.3600e-003		0.1060	0.1060		0.1060	0.1060		1,672.8292	1,672.8292	0.0321	0.0307	1,682.7700
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	24.8164	0.2676	2.4330	2.0437	0.0146		0.1849	0.1849		0.1849	0.1849		2,919.5810	2,919.5810	0.0560	0.0535	2,936.9306
Unrefrigerated Warehouse-No Rail	2.00336	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6894	235.6894	4.5200e-003	4.3200e-003	237.0900
Total		**0.6580**	**5.9814**	**5.0244**	**0.0359**		**0.4546**	**0.4546**		**0.4546**	**0.4546**		**7,177.6420**	**7,177.6420**	**0.1376**	**0.1316**	**7,220.2952**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Unmitigated	24.4287	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.5990					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0316	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Total	**24.4287**	**3.1000e-003**	**0.3397**	**3.0000e-005**		**1.2100e-003**	**1.2100e-003**		**1.2100e-003**	**1.2100e-003**		**0.7270**	**0.7270**	**1.9200e-003**		**0.7749**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.5990					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0316	3.1000e-003	0.3397	3.0000e-005		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		0.7270	0.7270	1.9200e-003		0.7749
Total	**24.4287**	**3.1000e-003**	**0.3397**	**3.0000e-005**		**1.2100e-003**	**1.2100e-003**		**1.2100e-003**	**1.2100e-003**		**0.7270**	**0.7270**	**1.9200e-003**		**0.7749**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Latitude Business Park (2022)

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	205.77	1000sqft	10.50	205,770.00	0
Industrial Park	174.06	1000sqft	10.50	174,060.00	0
Manufacturing	159.74	1000sqft	10.50	159,740.00	0
Refrigerated Warehouse-No Rail	175.00	1000sqft	3.44	175,000.00	0
Unrefrigerated Warehouse-No Rail	360.21	1000sqft	7.06	360,210.00	0
Parking Lot	2,247.00	Space	24.00	898,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	536.32	**CH4 Intensity (lb/MWhr)**	0.022	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - RPS 2022 included

Land Use - site ac

Construction Phase - CS

Trips and VMT -

Architectural Coating -

Vehicle Trips - Default

Area Coating - sf

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - adjusted to fit TS... General Industrial, Industrial Park set to default as TS doesn't estimate

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	40.00	10.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	1,110.00	400.00
tblConstructionPhase	NumDays	75.00	300.00
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.01
tblFleetMix	HHD	0.03	0.09
tblFleetMix	HHD	0.03	0.09
tblFleetMix	HHD	0.03	0.09
tblFleetMix	LDT2	0.20	0.24

tblFleetMix	LDT2	0.20	0.24
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LDT2	0.20	0.08
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	2.5000e-003
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	LHD2	5.8630e-003	0.05
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	5.0000e-003
tblFleetMix	MHD	0.02	0.04
tblFleetMix	MHD	0.02	0.04
tblFleetMix	MHD	0.02	0.04
tblLandUse	LotAcreage	4.72	10.50
tblLandUse	LotAcreage	4.00	10.50
tblLandUse	LotAcreage	3.67	10.50
tblLandUse	LotAcreage	4.02	3.44
tblLandUse	LotAcreage	8.27	7.06
tblLandUse	LotAcreage	20.22	24.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	536.32
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	CW_TL	16.60	19.02

tblVehicleTrips	CW_TL	16.60	19.02
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	1.49	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	0.62	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	6.83	3.37
tblVehicleTrips	WD_TR	3.82	3.93
tblVehicleTrips	WD_TR	1.68	1.74
tblVehicleTrips	WD_TR	1.68	1.74

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	2.6181	6.9452	6.9288	0.0226	1.4434	0.1946	1.6381	0.4331	0.1824	0.6156	0.0000	2,080.3362	2,080.3362	0.1761	0.0000	2,084.7376
2021	4.0815	5.2912	6.0447	0.0214	1.2823	0.1187	1.4010	0.3452	0.1121	0.4573	0.0000	1,973.3708	1,973.3708	0.1325	0.0000	1,976.6825
Maximum	**4.0815**	**6.9452**	**6.9288**	**0.0226**	**1.4434**	**0.1946**	**1.6381**	**0.4331**	**0.1824**	**0.6156**	**0.0000**	**2,080.3362**	**2,080.3362**	**0.1761**	**0.0000**	**2,084.7376**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	2.3421	4.1198	7.0294	0.0226	1.4434	0.0316	1.4750	0.4331	0.0302	0.4633	0.0000	2,080.3358	2,080.3358	0.1761	0.0000	2,084.7372
2021	3.9071	3.6482	6.1338	0.0214	1.2823	0.0189	1.3012	0.3452	0.0180	0.3632	0.0000	1,973.3705	1,973.3705	0.1325	0.0000	1,976.6822
Maximum	**3.9071**	**4.1198**	**7.0294**	**0.0226**	**1.4434**	**0.0316**	**1.4750**	**0.4331**	**0.0302**	**0.4633**	**0.0000**	**2,080.3358**	**2,080.3358**	**0.1761**	**0.0000**	**2,084.7372**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**6.72**	**36.52**	**-1.46**	**0.00**	**0.00**	**83.90**	**8.65**	**0.00**	**83.64**	**22.96**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.4005	0.2356
2	4-1-2020	6-30-2020	2.0355	1.4263
3	7-1-2020	9-30-2020	2.7224	2.0750
4	10-1-2020	12-31-2020	3.3063	2.6324
5	1-1-2021	3-31-2021	3.0378	2.4477
6	4-1-2021	6-30-2021	3.0499	2.4533
7	7-1-2021	9-30-2021	3.0835	2.4803
		Highest	3.3063	2.6324

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Energy	0.1201	1.0916	0.9169	6.5500e-003		0.0830	0.0830		0.0830	0.0830	0.0000	4,478.0648	4,478.0648	0.1577	0.0525	4,497.6396
Mobile	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Waste						0.0000	0.0000		0.0000	0.0000	237.9379	0.0000	237.9379	14.0617	0.0000	589.4810
Water						0.0000	0.0000		0.0000	0.0000	78.8512	787.2912	866.1424	8.1311	0.1986	1,128.5927
Total	**5.3918**	**7.1450**	**13.0528**	**0.0578**	**4.1297**	**0.1255**	**4.2551**	**1.1094**	**0.1228**	**1.2322**	**316.7891**	**10,021.3832**	**10,338.1723**	**22.5784**	**0.2510**	**10,977.4375**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Energy	0.1201	1.0916	0.9169	6.5500e-003		0.0830	0.0830		0.0830	0.0830	0.0000	3,956.4719	3,956.4719	0.1363	0.0476	3,974.0627
Mobile	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Waste						0.0000	0.0000		0.0000	0.0000	178.4534	0.0000	178.4534	10.5463	0.0000	442.1108
Water						0.0000	0.0000		0.0000	0.0000	78.8512	787.2912	866.1424	8.1311	0.1986	1,128.5927
Total	**5.3918**	**7.1450**	**13.0528**	**0.0578**	**4.1297**	**0.1255**	**4.2551**	**1.1094**	**0.1228**	**1.2322**	**257.3046**	**9,499.7903**	**9,757.0949**	**19.0416**	**0.2462**	**10,306.4904**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**18.78**	**5.20**	**5.62**	**15.66**	**1.94**	**6.11**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Paving	Paving	2/26/2020	3/24/2020	5	20	
4	Building Construction	Building Construction	3/25/2020	10/5/2021	5	400	
5	Architectural Coating	Architectural Coating	8/12/2020	10/5/2021	5	300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 24

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,612,170; Non-Residential Outdoor: 537,390; Striped Parking Area: 53,928 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	829.00	323.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	166.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	**0.0204**	**0.2121**	**0.1076**	**1.9000e-004**	**0.0903**	**0.0110**	**0.1013**	**0.0497**	**0.0101**	**0.0598**	**0.0000**	**16.7153**	**16.7153**	**5.4100e-003**	**0.0000**	**16.8505**

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.1000e-004	3.4100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8898	0.8898	3.0000e-005	0.0000	0.8904
Total	**4.0000e-004**	**3.1000e-004**	**3.4100e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8898**	**0.8898**	**3.0000e-005**	**0.0000**	**0.8904**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	**2.3300e-003**	**0.0101**	**0.1043**	**1.9000e-004**	**0.0903**	**3.1000e-004**	**0.0906**	**0.0497**	**3.1000e-004**	**0.0500**	**0.0000**	**16.7153**	**16.7153**	**5.4100e-003**	**0.0000**	**16.8505**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.1000e-004	3.4100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8898	0.8898	3.0000e-005	0.0000	0.8904
Total	**4.0000e-004**	**3.1000e-004**	**3.4100e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8898**	**0.8898**	**3.0000e-005**	**0.0000**	**0.8904**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
Total	**0.0668**	**0.7530**	**0.4794**	**9.3000e-004**	**0.1301**	**0.0326**	**0.1627**	**0.0540**	**0.0300**	**0.0840**	**0.0000**	**81.7264**	**81.7264**	**0.0264**	**0.0000**	**82.3872**

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	1.0300e-003	0.0114	3.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9659	2.9659	9.0000e-005	0.0000	2.9680
Total	**1.3400e-003**	**1.0300e-003**	**0.0114**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3200e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.9659**	**2.9659**	**9.0000e-005**	**0.0000**	**2.9680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
Total	**0.0114**	**0.0495**	**0.4950**	**9.3000e-004**	**0.1301**	**1.5200e-003**	**0.1316**	**0.0540**	**1.5200e-003**	**0.0555**	**0.0000**	**81.7263**	**81.7263**	**0.0264**	**0.0000**	**82.3871**

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	1.0300e-003	0.0114	3.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9659	2.9659	9.0000e-005	0.0000	2.9680
Total	**1.3400e-003**	**1.0300e-003**	**0.0114**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3200e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.9659**	**2.9659**	**9.0000e-005**	**0.0000**	**2.9680**

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0450**	**0.1407**	**0.1465**	**2.3000e-004**		**7.5300e-003**	**7.5300e-003**		**6.9300e-003**	**6.9300e-003**	**0.0000**	**20.0282**	**20.0282**	**6.4800e-003**	**0.0000**	**20.1902**

3.4 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
Total	**6.7000e-004**	**5.1000e-004**	**5.6900e-003**	**2.0000e-005**	**1.6500e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4829**	**1.4829**	**4.0000e-005**	**0.0000**	**1.4840**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0342**	**0.0122**	**0.1730**	**2.3000e-004**		**3.7000e-004**	**3.7000e-004**		**3.7000e-004**	**3.7000e-004**	**0.0000**	**20.0282**	**20.0282**	**6.4800e-003**	**0.0000**	**20.1901**

3.4 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	5.1000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4829	1.4829	4.0000e-005	0.0000	1.4840
Total	**6.7000e-004**	**5.1000e-004**	**5.6900e-003**	**2.0000e-005**	**1.6500e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4829**	**1.4829**	**4.0000e-005**	**0.0000**	**1.4840**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2141	1.9378	1.7017	2.7200e-003		0.1128	0.1128		0.1061	0.1061	0.0000	233.9261	233.9261	0.0571	0.0000	235.3528
Total	**0.2141**	**1.9378**	**1.7017**	**2.7200e-003**		**0.1128**	**0.1128**		**0.1061**	**0.1061**	**0.0000**	**233.9261**	**233.9261**	**0.0571**	**0.0000**	**235.3528**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1104	3.4981	0.8821	8.2300e-003	0.2056	0.0171	0.2227	0.0593	0.0164	0.0757	0.0000	798.1130	798.1130	0.0533	0.0000	799.4446
Worker	0.3727	0.2869	3.1765	9.1600e-003	0.9186	7.1400e-003	0.9258	0.2440	6.5800e-003	0.2505	0.0000	827.7696	827.7696	0.0238	0.0000	828.3655
Total	**0.4831**	**3.7850**	**4.0585**	**0.0174**	**1.1242**	**0.0243**	**1.1485**	**0.3033**	**0.0230**	**0.3262**	**0.0000**	**1,625.8826**	**1,625.8826**	**0.0771**	**0.0000**	**1,627.8100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0331	0.2257	1.7635	2.7200e-003		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	233.9258	233.9258	0.0571	0.0000	235.3526
Total	**0.0331**	**0.2257**	**1.7635**	**2.7200e-003**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**233.9258**	**233.9258**	**0.0571**	**0.0000**	**235.3526**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1104	3.4981	0.8821	8.2300e-003	0.2056	0.0171	0.2227	0.0593	0.0164	0.0757	0.0000	798.1130	798.1130	0.0533	0.0000	799.4446
Worker	0.3727	0.2869	3.1765	9.1600e-003	0.9186	7.1400e-003	0.9258	0.2440	6.5800e-003	0.2505	0.0000	827.7696	827.7696	0.0238	0.0000	828.3655
Total	**0.4831**	**3.7850**	**4.0585**	**0.0174**	**1.1242**	**0.0243**	**1.1485**	**0.3033**	**0.0230**	**0.3262**	**0.0000**	**1,625.8826**	**1,625.8826**	**0.0771**	**0.0000**	**1,627.8100**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1882	1.7258	1.6409	2.6700e-003		0.0949	0.0949		0.0892	0.0892	0.0000	229.3209	229.3209	0.0553	0.0000	230.7040
Total	**0.1882**	**1.7258**	**1.6409**	**2.6700e-003**		**0.0949**	**0.0949**		**0.0892**	**0.0892**	**0.0000**	**229.3209**	**229.3209**	**0.0553**	**0.0000**	**230.7040**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1104	0.7861	8.0000e-003	0.2015	6.3400e-003	0.2079	0.0581	6.0600e-003	0.0642	0.0000	776.4226	776.4226	0.0501	0.0000	777.6739
Worker	0.3411	0.2532	2.8642	8.6800e-003	0.9004	6.7900e-003	0.9072	0.2391	6.2500e-003	0.2454	0.0000	785.1339	785.1339	0.0211	0.0000	785.6621
Total	**0.4330**	**3.3636**	**3.6503**	**0.0167**	**1.1020**	**0.0131**	**1.1151**	**0.2973**	**0.0123**	**0.3096**	**0.0000**	**1,561.5565**	**1,561.5565**	**0.0712**	**0.0000**	**1,563.3360**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0325	0.2212	1.7286	2.6700e-003		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003	0.0000	229.3206	229.3206	0.0553	0.0000	230.7038
Total	**0.0325**	**0.2212**	**1.7286**	**2.6700e-003**		**4.0400e-003**	**4.0400e-003**		**4.0400e-003**	**4.0400e-003**	**0.0000**	**229.3206**	**229.3206**	**0.0553**	**0.0000**	**230.7038**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.1104	0.7861	8.0000e-003	0.2015	6.3400e-003	0.2079	0.0581	6.0600e-003	0.0642	0.0000	776.4226	776.4226	0.0501	0.0000	777.6739
Worker	0.3411	0.2532	2.8642	8.6800e-003	0.9004	6.7900e-003	0.9072	0.2391	6.2500e-003	0.2454	0.0000	785.1339	785.1339	0.0211	0.0000	785.6621
Total	**0.4330**	**3.3636**	**3.6503**	**0.0167**	**1.1020**	**0.0131**	**1.1151**	**0.2973**	**0.0123**	**0.3096**	**0.0000**	**1,561.5565**	**1,561.5565**	**0.0712**	**0.0000**	**1,563.3360**

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0859	0.0934	1.5000e-004		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	13.0216	13.0216	1.0100e-003	0.0000	13.0468
Total	**1.7486**	**0.0859**	**0.0934**	**1.5000e-004**		**5.6600e-003**	**5.6600e-003**		**5.6600e-003**	**5.6600e-003**	**0.0000**	**13.0216**	**13.0216**	**1.0100e-003**	**0.0000**	**13.0468**

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0290	0.3212	9.3000e-004	0.0929	7.2000e-004	0.0936	0.0247	6.6000e-004	0.0253	0.0000	83.6974	83.6974	2.4100e-003	0.0000	83.7576
Total	**0.0377**	**0.0290**	**0.3212**	**9.3000e-004**	**0.0929**	**7.2000e-004**	**0.0936**	**0.0247**	**6.6000e-004**	**0.0253**	**0.0000**	**83.6974**	**83.6974**	**2.4100e-003**	**0.0000**	**83.7576**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5200e-003	6.5700e-003	0.0935	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	13.0216	13.0216	1.0100e-003	0.0000	13.0468
Total	**1.7378**	**6.5700e-003**	**0.0935**	**1.5000e-004**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**13.0216**	**13.0216**	**1.0100e-003**	**0.0000**	**13.0468**

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0290	0.3212	9.3000e-004	0.0929	7.2000e-004	0.0936	0.0247	6.6000e-004	0.0253	0.0000	83.6974	83.6974	2.4100e-003	0.0000	83.7576
Total	**0.0377**	**0.0290**	**0.3212**	**9.3000e-004**	**0.0929**	**7.2000e-004**	**0.0936**	**0.0247**	**6.6000e-004**	**0.0253**	**0.0000**	**83.6974**	**83.6974**	**2.4100e-003**	**0.0000**	**83.7576**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3704					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
Total	**3.3920**	**0.1512**	**0.1799**	**2.9000e-004**		**9.3200e-003**	**9.3200e-003**		**9.3200e-003**	**9.3200e-003**	**0.0000**	**25.2772**	**25.2772**	**1.7300e-003**	**0.0000**	**25.3206**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0683	0.0507	0.5735	1.7400e-003	0.1803	1.3600e-003	0.1817	0.0479	1.2500e-003	0.0491	0.0000	157.2162	157.2162	4.2300e-003	0.0000	157.3220
Total	**0.0683**	**0.0507**	**0.5735**	**1.7400e-003**	**0.1803**	**1.3600e-003**	**0.1817**	**0.0479**	**1.2500e-003**	**0.0491**	**0.0000**	**157.2162**	**157.2162**	**4.2300e-003**	**0.0000**	**157.3220**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3704					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0128	0.1814	2.9000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
Total	**3.3733**	**0.0128**	**0.1814**	**2.9000e-004**		**3.9000e-004**	**3.9000e-004**		**3.9000e-004**	**3.9000e-004**	**0.0000**	**25.2772**	**25.2772**	**1.7300e-003**	**0.0000**	**25.3206**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0683	0.0507	0.5735	1.7400e-003	0.1803	1.3600e-003	0.1817	0.0479	1.2500e-003	0.0491	0.0000	157.2162	157.2162	4.2300e-003	0.0000	157.3220
Total	**0.0683**	**0.0507**	**0.5735**	**1.7400e-003**	**0.1803**	**1.3600e-003**	**0.1817**	**0.0479**	**1.2500e-003**	**0.0491**	**0.0000**	**157.2162**	**157.2162**	**4.2300e-003**	**0.0000**	**157.3220**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363
Unmitigated	0.8153	6.0530	12.0934	0.0512	4.1297	0.0423	4.1720	1.1094	0.0397	1.1491	0.0000	4,755.9449	4,755.9449	0.2277	0.0000	4,761.6363

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,020.62	0.00	0.00	3,581,583	3,581,583
Industrial Park	586.58	0.00	0.00	1,848,635	1,848,635
Manufacturing	627.78	0.00	0.00	2,203,015	2,203,015
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	304.50	0.00	0.00	1,037,552	1,037,552
Unrefrigerated Warehouse-No Rail	626.77	0.00	0.00	2,135,638	2,135,638
Total	3,166.25	0.00	0.00	10,806,424	10,806,424

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Industrial Park	19.02	8.40	6.90	59.00	28.00	13.00	79	19	2
Manufacturing	19.02	8.40	6.90	59.00	28.00	13.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	19.02	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Industrial Park	0.552111	0.043066	0.242894	0.118512	0.015605	0.002500	0.005000	0.010000	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Refrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.082491	0.118512	0.015605	0.049000	0.041000	0.087900	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Latitude Business Park (2022) - South Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,768.1327	2,768.1327	0.1136	0.0258	2,778.6619
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,289.7256	3,289.7256	0.1350	0.0307	3,302.2387
NaturalGas Mitigated	0.1201	1.0916	0.9169	6.5500e-003		0.0830	0.0830		0.0830	0.0830	0.0000	1,188.3391	1,188.3391	0.0228	0.0218	1,195.4008
NaturalGas Unmitigated	0.1201	1.0916	0.9169	6.5500e-003		0.0830	0.0830		0.0830	0.0830	0.0000	1,188.3391	1,188.3391	0.0228	0.0218	1,195.4008

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	6.68547e+006	0.0361	0.3277	0.2753	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.7620	356.7620	6.8400e-003	6.5400e-003	358.8821
Industrial Park	603988	3.2600e-003	0.0296	0.0249	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.2311	32.2311	6.2000e-004	5.9000e-004	32.4226
Manufacturing	5.18995e+006	0.0280	0.2544	0.2137	1.5300e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.9556	276.9556	5.3100e-003	5.0800e-003	278.6014
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	9.058e+006	0.0488	0.4440	0.3730	2.6600e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.3694	483.3694	9.2600e-003	8.8600e-003	486.2418
Unrefrigerated Warehouse-No Rail	731226	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0210	39.0210	7.5000e-004	7.2000e-004	39.2529
Total		**0.1201**	**1.0916**	**0.9169**	**6.5600e-003**		**0.0830**	**0.0830**		**0.0830**	**0.0830**	**0.0000**	**1,188.3391**	**1,188.3391**	**0.0228**	**0.0218**	**1,195.4008**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	6.68547e+006	0.0361	0.3277	0.2753	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.7620	356.7620	6.8400e-003	6.5400e-003	358.8821
Industrial Park	603988	3.2600e-003	0.0296	0.0249	1.8000e-004		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	32.2311	32.2311	6.2000e-004	5.9000e-004	32.4226
Manufacturing	5.18995e+006	0.0280	0.2544	0.2137	1.5300e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.9556	276.9556	5.3100e-003	5.0800e-003	278.6014
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	9.058e+006	0.0488	0.4440	0.3730	2.6600e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.3694	483.3694	9.2600e-003	8.8600e-003	486.2418
Unrefrigerated Warehouse-No Rail	731226	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0210	39.0210	7.5000e-004	7.2000e-004	39.2529
Total		**0.1201**	**1.0916**	**0.9169**	**6.5600e-003**		**0.0830**	**0.0830**		**0.0830**	**0.0830**	**0.0000**	**1,188.3391**	**1,188.3391**	**0.0228**	**0.0218**	**1,195.4008**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.08857e+006	508.0867	0.0208	4.7400e-003	510.0193
Industrial Park	1.65705e+006	403.1119	0.0165	3.7600e-003	404.6453
Manufacturing	1.62136e+006	394.4296	0.0162	3.6800e-003	395.9299
Parking Lot	314580	76.5281	3.1400e-003	7.1000e-004	76.8192
Refrigerated Warehouse-No Rail	6.99125e+006	1,700.7660	0.0698	0.0159	1,707.2352
Unrefrigerated Warehouse-No Rail	850096	206.8033	8.4800e-003	1.9300e-003	207.5899
Total		**3,289.7256**	**0.1350**	**0.0307**	**3,302.2387**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.63639e+006	398.0847	0.0163	3.7100e-003	399.5989
Industrial Park	1.17926e+006	286.8785	0.0118	2.6700e-003	287.9697
Manufacturing	1.27033e+006	309.0346	0.0127	2.8800e-003	310.2101
Parking Lot	78645	19.1320	7.8000e-004	1.8000e-004	19.2048
Refrigerated Warehouse-No Rail	6.68019e+006	1,625.0936	0.0667	0.0152	1,631.2750
Unrefrigerated Warehouse-No Rail	534011	129.9093	5.3300e-003	1.2100e-003	130.4034
Total		**2,768.1327**	**0.1136**	**0.0258**	**2,778.6619**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Unmitigated	4.4564	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Total	**4.4564**	**3.9000e-004**	**0.0425**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.0824**	**0.0824**	**2.2000e-004**	**0.0000**	**0.0879**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5107					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0824	0.0824	2.2000e-004	0.0000	0.0879
Total	**4.4564**	**3.9000e-004**	**0.0425**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.0824**	**0.0824**	**2.2000e-004**	**0.0000**	**0.0879**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	866.1424	8.1311	0.1986	1,128.5927
Unmitigated	866.1424	8.1311	0.1986	1,128.5927

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	47.5843 / 0	165.8257	1.5567	0.0380	216.0726
Industrial Park	40.2514 / 0	140.2713	1.3168	0.0322	182.7749
Manufacturing	36.9399 / 0	128.7311	1.2085	0.0295	167.7380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	40.4688 / 0	141.0288	1.3239	0.0323	183.7620
Unrefrigerated Warehouse-No Rail	83.2986 / 0	290.2856	2.7251	0.0666	378.2452
Total		**866.1424**	**8.1311**	**0.1986**	**1,128.5927**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	47.5843 / 0	165.8257	1.5567	0.0380	216.0726
Industrial Park	40.2514 / 0	140.2713	1.3168	0.0322	182.7749
Manufacturing	36.9399 / 0	128.7311	1.2085	0.0295	167.7380
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	40.4688 / 0	141.0288	1.3239	0.0323	183.7620
Unrefrigerated Warehouse-No Rail	83.2986 / 0	290.2856	2.7251	0.0666	378.2452
Total		**866.1424**	**8.1311**	**0.1986**	**1,128.5927**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	178.4534	10.5463	0.0000	442.1108
Unmitigated	237.9379	14.0617	0.0000	589.4810

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	255.15	51.7931	3.0609	0.0000	128.3153
Industrial Park	215.83	43.8115	2.5892	0.0000	108.5412
Manufacturing	198.08	40.2085	2.3763	0.0000	99.6147
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	164.5	33.3920	1.9734	0.0000	82.7273
Unrefrigerated Warehouse-No Rail	338.6	68.7327	4.0620	0.0000	170.2825
Total		**237.9379**	**14.0617**	**0.0000**	**589.4810**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	191.363	38.8449	2.2957	0.0000	96.2365
Industrial Park	161.873	32.8587	1.9419	0.0000	81.4059
Manufacturing	148.56	30.1563	1.7822	0.0000	74.7111
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	123.375	25.0440	1.4801	0.0000	62.0455
Unrefrigerated Warehouse-No Rail	253.95	51.5496	3.0465	0.0000	127.7118
Total		**178.4534**	**10.5463**	**0.0000**	**442.1108**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ATTACHMENT B

AERMOD – Tier 4 Equipment

```
1                    AERMOD PRIME - (DATED  19191)

                   AERMODPrMSPx VERSION
             (C) COPYRIGHT 1998-2017, Trinity Consultants

 Run Began on  4/28/2021 at 18:09:25

** BREEZE AERMOD
** Trinity Consultants
** VERSION  9.0

CO STARTING
CO TITLEONE  Latitude PM10 Construction Emissions
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  24  ANNUAL
CO POLLUTID  PM10
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  JUVEM000  AREAPOLY  451194.7  3743326.2  0
** SRCDESCR  Area Source
SO SRCPARAM  JUVEM000  5.78E-10  3  12  1
SO AREAVERT  JUVEM000  451194.7 3743326.2  451286 3743218.4  451430.7 3743063.6  451550 3742958.3
SO AREAVERT  JUVEM000  451603.3 3742907.5  452369.7 3743256.5  452379.8 3743272.9  452313.9 3743333.9
SO AREAVERT  JUVEM000  451958.6 3743342.7  451558.8 3743328.8  451558.8 3743328.8  451194.7 3743326.2
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE GRIDCART RLPS4001 STA
RE GRIDCART RLPS4001 XYINC  450567.8  21  121.5  3744266.3  21  -119.3
RE GRIDCART RLPS4001 ELEV  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  3  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  5  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  6  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
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RE GRIDCART RLPS4001 ELEV  9  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
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RE GRIDCART RLPS4001 ELEV  13  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
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RE DISCCART  451808.8  3743414  0  0
** SENSITIV
** RCPDESCR  R1
RE DISCCART  451611.1  3743386.1  0  0
** SENSITIV
** RCPDESCR  R2
RE DISCCART  451395.1  3743364.6  0  0
** SENSITIV
** RCPDESCR  R3
RE DISCCART  451274.7  3743360.3  0  0
** SENSITIV
** RCPDESCR  R4
RE DISCCART  451170.5  3743172.2  0  0
** SENSITIV
** RCPDESCR  R5
```

```
RE DISCCART  451376.8  3742977.7  0  0
** SENSITIV
** RCPDESCR  R6
RE FINISHED

ME STARTING
ME SURFFILE  "C:\USERS\RYAN~1.DES\ONEDRIVE\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.SFC"
** SURFFILE  "C:\USERS\RYAN~1.DES\ONEDRIVE\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.SFC"
ME PROFFILE  "C:\USERS\RYAN~1.DES\ONEDRIVE\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.PFL"
** PROFFILE  "C:\USERS\RYAN~1.DES\ONEDRIVE\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.PFL"
ME SURFDATA  0 2008
ME UAIRDATA  3190 2008
ME SITEDATA  00099999 2008
ME PROFBASE  0  METERS
ME STARTEND  2012  1  1  1  2012  12  31  24
ME FINISHED

OU STARTING
OU RECTABLE  24  FIRST
OU FILEFORM  FIX
OU PLOTFILE  24  ALL  FIRST  ALL`24`FIRST.plt  10000
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10001
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
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reenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]
]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE UserDefined
** AERMODEXE  AERMOD_BREEZE_19191_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE


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

 *** AERMOD - VERSION  19191 ***   ***  Latitude PM10 Construction Emissions                                  ***        04/28/21
 *** AERMET - VERSION  14134 ***   ***                                                                      ***       18:09:25
                                                                                                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL

                                          ***     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 RURAL Dispersion Only.

 **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.

 **Other Options Specified:
        TEMP_Sub - Meteorological data includes TEMP substitutions

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

**The User Specified a Pollutant Type of: PM10

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

**This Run Includes: 1 Source(s);   1 Source Group(s); and   447 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 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   0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

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

**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) =   0.00 ; 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

                                        *** AREAPOLY SOURCE DATA ***

             NUMBER EMISSION RATE   LOCATION OF AREA BASE   RELEASE NUMBER   INIT.   URBAN EMISSION RATE
  SOURCE   PART. (GRAMS/SEC   X   Y   ELEV.   HEIGHT OF VERTS.   SZ   SOURCE SCALAR VARY
    ID   CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)   (METERS)   BY
- -

JUVEM000   0   0.57800E-09 451194.7 3743326.2   0.0   3.00   12   1.00   NO

                                     *** SOURCE IDs DEFINING SOURCE GROUPS ***

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

 ALL   JUVEM000   ,

                                  *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                               *** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

      450567.8, 450689.3, 450810.8, 450932.3, 451053.8, 451175.3, 451296.8, 451418.3, 451539.8, 451661.3,
      451782.8, 451904.3, 452025.8, 452147.3, 452268.8, 452390.3, 452511.8, 452633.3, 452754.8, 452876.3,
      452997.8,

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

     3744266.3, 3744147.0, 3744027.7, 3743908.4, 3743789.1, 3743669.8, 3743550.5, 3743431.2, 3743311.9, 3743192.6,
     3743073.3, 3742954.0, 3742834.7, 3742715.4, 3742596.1, 3742476.8, 3742357.5, 3742238.2, 3742118.9, 3741999.6,
     3741880.3,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	452754.80	452876.30	452997.80
3741880.30	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00

3743669.80	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 452754.80	452876.30	452997.80
3741880.30	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00

3742476.80 |	0.00	0.00	0.00
3742596.10 |	0.00	0.00	0.00
3742715.40 |	0.00	0.00	0.00
3742834.70 |	0.00	0.00	0.00
3742954.00 |	0.00	0.00	0.00
3743073.30 |	0.00	0.00	0.00
3743192.60 |	0.00	0.00	0.00
3743311.90 |	0.00	0.00	0.00
3743431.20 |	0.00	0.00	0.00
3743550.50 |	0.00	0.00	0.00
3743669.80 |	0.00	0.00	0.00
3743789.10 |	0.00	0.00	0.00
3743908.40 |	0.00	0.00	0.00
3744027.70 |	0.00	0.00	0.00
3744147.00 |	0.00	0.00	0.00
3744266.30 |	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2012 1 1 1
AND END DATE: 2012 12 31 24

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 NODRYDPLT NOWETDPLT RURAL

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

Surface file: C:\USERS\RYAN~1.DES\ONEDRIVE\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.SFC Met Version: 14134
Profile file: C:\USERS\RYAN~1.DES\ONEDRIVE\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2008 Year: 2008

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2	5.5
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.54	999.00	999.	-9.0	283.8	5.5
08	01	01	1	09	27.2	-9.000	-9.000	-9.000	60.	-999.	-99999.0	0.23	1.00	0.33	999.00	999.	-9.0	285.9	5.5
08	01	01	1	10	74.6	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.23	1.00	0.25	999.00	999.	-9.0	288.1	5.5
08	01	01	1	11	107.4	-9.000	-9.000	-9.000	375.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	289.9	5.5
08	01	01	1	12	122.7	-9.000	-9.000	-9.000	578.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	289.9	5.5
08	01	01	1	13	121.3	-9.000	-9.000	-9.000	714.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	291.4	5.5
08	01	01	1	14	102.1	-9.000	-9.000	-9.000	763.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	292.0	5.5
08	01	01	1	15	65.8	-9.000	-9.000	-9.000	792.	-999.	-99999.0	0.23	1.00	0.27	999.00	999.	-9.0	291.4	5.5
08	01	01	1	16	16.0	-9.000	-9.000	-9.000	798.	-999.	-99999.0	0.23	1.00	0.36	999.00	999.	-9.0	290.4	5.5
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.63	999.00	999.	-9.0	288.8	5.5
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	287.5	5.5
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	286.4	5.5
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	285.4	5.5
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2	5.5
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	282.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80
3741880.30	0.00056	0.00062	0.00069	0.00077	0.00086	0.00095	0.00103	0.00111	0.00119
3741999.60	0.00059	0.00066	0.00075	0.00084	0.00095	0.00106	0.00117	0.00127	0.00138
3742118.90	0.00063	0.00071	0.00081	0.00092	0.00105	0.00119	0.00133	0.00147	0.00162
3742238.20	0.00066	0.00076	0.00087	0.00101	0.00117	0.00135	0.00154	0.00173	0.00194
3742357.50	0.00068	0.00080	0.00094	0.00111	0.00131	0.00154	0.00180	0.00208	0.00237
3742476.80	0.00069	0.00082	0.00099	0.00120	0.00146	0.00177	0.00213	0.00254	0.00297
3742596.10	0.00071	0.00085	0.00104	0.00129	0.00162	0.00204	0.00256	0.00319	0.00389
3742715.40	0.00073	0.00088	0.00108	0.00136	0.00177	0.00233	0.00310	0.00413	0.00539
3742834.70	0.00075	0.00090	0.00112	0.00145	0.00193	0.00267	0.00379	0.00554	0.00821
3742954.00	0.00078	0.00094	0.00118	0.00153	0.00211	0.00308	0.00479	0.00799	0.01459
3743073.30	0.00082	0.00099	0.00124	0.00163	0.00229	0.00359	0.00642	0.01411	0.02312
3743192.60	0.00085	0.00104	0.00131	0.00173	0.00249	0.00425	0.01033	0.02080	0.02388
3743311.90	0.00086	0.00106	0.00136	0.00184	0.00276	0.00530	0.01377	0.01752	0.01890
3743431.20	0.00088	0.00111	0.00145	0.00203	0.00323	0.00624	0.00926	0.01080	0.01144
3743550.50	0.00094	0.00120	0.00160	0.00229	0.00357	0.00547	0.00688	0.00755	0.00778
3743669.80	0.00102	0.00131	0.00175	0.00246	0.00355	0.00468	0.00542	0.00573	0.00574
3743789.10	0.00110	0.00140	0.00185	0.00252	0.00332	0.00400	0.00440	0.00453	0.00444
3743908.40	0.00116	0.00146	0.00191	0.00247	0.00302	0.00343	0.00364	0.00366	0.00353
3744027.70	0.00120	0.00151	0.00191	0.00233	0.00270	0.00295	0.00305	0.00301	0.00286
3744147.00	0.00123	0.00152	0.00185	0.00217	0.00241	0.00255	0.00258	0.00251	0.00235
3744266.30	0.00125	0.00151	0.00176	0.00198	0.00214	0.00221	0.00220	0.00211	0.00195

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00127	0.00136	0.00144	0.00150	0.00157	0.00164	0.00168	0.00165	0.00158
3741999.60	0.00149	0.00160	0.00169	0.00178	0.00187	0.00193	0.00193	0.00186	0.00174
3742118.90	0.00177	0.00191	0.00203	0.00215	0.00225	0.00227	0.00221	0.00207	0.00189
3742238.20	0.00214	0.00232	0.00250	0.00265	0.00272	0.00266	0.00251	0.00229	0.00204
3742357.50	0.00265	0.00292	0.00317	0.00332	0.00329	0.00310	0.00283	0.00252	0.00219
3742476.80	0.00340	0.00382	0.00413	0.00417	0.00395	0.00359	0.00318	0.00274	0.00231
3742596.10	0.00460	0.00524	0.00549	0.00524	0.00474	0.00415	0.00354	0.00295	0.00241
3742715.40	0.00673	0.00756	0.00732	0.00658	0.00569	0.00478	0.00393	0.00314	0.00246
3742834.70	0.01120	0.01117	0.00986	0.00836	0.00690	0.00556	0.00436	0.00332	0.00247
3742954.00	0.01927	0.01696	0.01384	0.01106	0.00868	0.00662	0.00489	0.00346	0.00238
3743073.30	0.02437	0.02312	0.02010	0.01586	0.01174	0.00832	0.00556	0.00344	0.00220
3743192.60	0.02442	0.02383	0.02238	0.01994	0.01626	0.01139	0.00633	0.00310	0.00204
3743311.90	0.01924	0.01900	0.01827	0.01685	0.01460	0.01144	0.00519	0.00281	0.00193
3743431.20	0.01156	0.01130	0.01070	0.00963	0.00811	0.00575	0.00354	0.00249	0.00180
3743550.50	0.00769	0.00735	0.00676	0.00592	0.00480	0.00347	0.00257	0.00206	0.00163
3743669.80	0.00554	0.00517	0.00464	0.00396	0.00316	0.00244	0.00198	0.00169	0.00144
3743789.10	0.00419	0.00381	0.00335	0.00280	0.00225	0.00183	0.00156	0.00138	0.00124
3743908.40	0.00326	0.00291	0.00250	0.00207	0.00170	0.00143	0.00125	0.00114	0.00105
3744027.70	0.00260	0.00228	0.00193	0.00160	0.00133	0.00115	0.00102	0.00095	0.00089
3744147.00	0.00211	0.00183	0.00154	0.00128	0.00108	0.00094	0.00085	0.00079	0.00076
3744266.30	0.00174	0.00150	0.00126	0.00106	0.00090	0.00079	0.00071	0.00067	0.00065

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	452754.80	452876.30	452997.80

3741880.30	0.00148	0.00136	0.00123
3741999.60	0.00159	0.00144	0.00128
3742118.90	0.00170	0.00150	0.00131
3742238.20	0.00179	0.00155	0.00132
3742357.50	0.00187	0.00157	0.00130
3742476.80	0.00192	0.00156	0.00126
3742596.10	0.00193	0.00152	0.00121
3742715.40	0.00189	0.00145	0.00115
3742834.70	0.00181	0.00138	0.00110
3742954.00	0.00170	0.00130	0.00105
3743073.30	0.00159	0.00124	0.00101
3743192.60	0.00152	0.00119	0.00097
3743311.90	0.00146	0.00116	0.00095
3743431.20	0.00139	0.00112	0.00093
3743550.50	0.00129	0.00105	0.00088
3743669.80	0.00119	0.00099	0.00083
3743789.10	0.00108	0.00093	0.00079
3743908.40	0.00096	0.00085	0.00075
3744027.70	0.00084	0.00077	0.00070
3744147.00	0.00073	0.00069	0.00064
3744266.30	0.00063	0.00061	0.00058

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
451808.80	3743414.00	0.01205	451611.10	3743386.10	0.01393
451395.10	3743364.60	0.01378	451274.70	3743360.30	0.01102
451170.50	3743172.20	0.00402	451376.80	3742977.70	0.00716

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80
3741880.3	0.00502m(12111424)	0.00593m(12111424)	0.00642m(12111424)	0.00639m(12111424)	0.00583m(12122124)
3741999.6	0.00477 (12112624)	0.00587m(12111424)	0.00682m(12111424)	0.00721m(12111424)	0.00690m(12111424)
3742118.9	0.00562 (12112024)	0.00542m(12111424)	0.00687m(12111424)	0.00784m(12111424)	0.00807m(12111424)
3742238.2	0.00642 (12112024)	0.00647 (12112024)	0.00646m(12111424)	0.00807m(12111424)	0.00903m(12111424)
3742357.5	0.00751 (12010524)	0.00736 (12112024)	0.00754 (12112024)	0.00776m(12111424)	0.00953m(12111424)
3742476.8	0.00875 (12010524)	0.00911 (12010524)	0.00884 (12010524)	0.00894 (12112024)	0.00940m(12111424)
3742596.1	0.00890 (12010524)	0.01007 (12010524)	0.01097 (12010524)	0.01133 (12010524)	0.01078 (12112024)
3742715.4	0.00888 (12010524)	0.01043 (12010524)	0.01195 (12010524)	0.01338 (12010524)	0.01459 (12010524)
3742834.7	0.00888 (12010524)	0.01083 (12010524)	0.01299 (12010524)	0.01521 (12010524)	0.01752 (12010524)
3742954.0	0.01100 (12120824)	0.01152 (12120824)	0.01291 (12010524)	0.01623 (12010524)	0.01997 (12010524)
3743073.3	0.01238 (12120824)	0.01394 (12120824)	0.01562 (12120824)	0.01750 (12120824)	0.02015 (12120824)
3743192.6	0.00981m(12011124)	0.01149m(12011124)	0.01353m(12011124)	0.01643 (12120824)	0.02150m(12102324)
3743311.9	0.01112 (12102424)	0.01258 (12102424)	0.01441 (12102424)	0.01711m(12102324)	0.02509m(12102324)
3743431.2	0.00825m(12102324)	0.01044m(12102324)	0.01381m(12102324)	0.01853m(12102324)	0.02371m(12102324)
3743550.5	0.00910m(12102324)	0.01164m(12102324)	0.01431m(12102324)	0.01619m(12102324)	0.01874m(12102324)
3743669.8	0.00997m(12102324)	0.01127m(12102324)	0.01190m(12102324)	0.01404 (12121624)	0.01733 (12121624)
3743789.1	0.00900m(12102324)	0.00914m(12102324)	0.01139 (12121624)	0.01346 (12121624)	0.01539 (12121624)
3743908.4	0.00780 (12121624)	0.00958 (12121624)	0.01099 (12121624)	0.01224 (12121624)	0.01329 (12121624)
3744027.7	0.00824 (12121624)	0.00925 (12121624)	0.01005 (12121624)	0.01084 (12121624)	0.01120 (12121624)
3744147.0	0.00794 (12121624)	0.00847 (12121624)	0.00895 (12121624)	0.00937 (12121624)	0.00921 (12121624)
3744266.3	0.00728 (12121624)	0.00754 (12121624)	0.00782 (12121624)	0.00792 (12121624)	0.00802 (12060224)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 451175.30	451296.80	451418.30	451539.80	451661.30
3741880.3	0.00746m(12122124)	0.00858m(12122124)	0.00867m(12122124)	0.00784m(12122124)	0.00697 (12011824)

3741999.6	0.00770m(12122124)	0.00921m(12122124)	0.00969m(12122124)	0.00898m(12122124)	0.00798m(12122124)
3742118.9	0.00783m(12122124)	0.00982m(12122124)	0.01081m(12122124)	0.01036m(12122124)	0.00946m(12122124)
3742238.2	0.00901m(12111424)	0.01038m(12122124)	0.01203m(12122124)	0.01203m(12122124)	0.01141m(12122124)
3742357.5	0.01048m(12111424)	0.01083m(12122124)	0.01334m(12122124)	0.01410m(12122124)	0.01399m(12122124)
3742476.8	0.01142m(12111424)	0.01239m(12111424)	0.01472m(12122124)	0.01680m(12122124)	0.01746m(12122124)
3742596.1	0.01165m(12111424)	0.01414m(12111424)	0.01611m(12122124)	0.02046m(12122124)	0.02218m(12122124)
3742715.4	0.01495 (12010524)	0.01521m(12111424)	0.01831m(12111424)	0.02551m(12122124)	0.02878m(12122124)
3742834.7	0.01975 (12010524)	0.02138 (12010524)	0.02371m(12122124)	0.03258m(12122124)	0.03848m(12122124)
3742954.0	0.02429 (12010524)	0.02895 (12010524)	0.03908m(12122124)	0.05285m(12122124)	0.05207m(12122124)
3743073.3	0.02527 (12010524)	0.03282 (12120824)	0.04757m(12122124)	0.05286m(12122124)	0.05293m(12122124)
3743192.6	0.03177m(12102324)	0.04914m(12102324)	0.05529m(12102324)	0.05351m(12102324)	0.04955m(12102324)
3743311.9	0.03961m(12102324)	0.05007m(12102324)	0.05097m(12102324)	0.04984m(12102324)	0.04764m(12102324)
3743431.2	0.02887m(12102324)	0.03471 (12121624)	0.03558 (12121624)	0.03424 (12121624)	0.03200 (12121624)
3743550.5	0.02376 (12121624)	0.02617 (12121624)	0.02595 (12121624)	0.02454 (12121624)	0.02233 (12121624)
3743669.8	0.01974 (12121624)	0.02048 (12121624)	0.01976 (12121624)	0.01823 (12121624)	0.01593m(12013024)
3743789.1	0.01633 (12121624)	0.01618 (12121624)	0.01515 (12121624)	0.01350 (12121624)	0.01240m(12013024)
3743908.4	0.01334 (12121624)	0.01267 (12121624)	0.01189 (12072624)	0.01096 (12072624)	0.01036 (12072324)
3744027.7	0.01070 (12121624)	0.01072 (12072624)	0.01042 (12072624)	0.00946 (12072624)	0.00879 (12072324)
3744147.0	0.00918 (12072624)	0.00965 (12072624)	0.00919 (12072624)	0.00820 (12072624)	0.00744 (12072324)
3744266.3	0.00854 (12072624)	0.00869 (12072624)	0.00811 (12072624)	0.00711 (12072624)	0.00628 (12072324)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 451782.80	451904.30	452025.80	452147.30	452268.80
3741880.3	0.00686m(12012424)	0.00723m(12012424)	0.00675m(12012424)	0.00609 (12122024)	0.00653 (12011724)
3741999.6	0.00765m(12012424)	0.00780 (12122024)	0.00739 (12122024)	0.00705 (12011724)	0.00763 (12120424)
3742118.9	0.00911m(12122124)	0.00902m(12122124)	0.00819 (12122024)	0.00823 (12011724)	0.00918 (12120424)
3742238.2	0.01130m(12122124)	0.01089m(12122124)	0.00930 (12122024)	0.01015 (12120424)	0.01055 (12120424)
3742357.5	0.01410m(12122124)	0.01291m(12122124)	0.01130 (12120424)	0.01211 (12120424)	0.01159 (12120424)
3742476.8	0.01752m(12122124)	0.01513m(12122124)	0.01431 (12120424)	0.01365 (12120424)	0.01293m(12101424)
3742596.1	0.02149m(12122124)	0.01816m(12122124)	0.01687 (12120424)	0.01600m(12101424)	0.01520m(12103024)
3742715.4	0.02654m(12122124)	0.02312m(12122124)	0.02057m(12103024)	0.01909m(12103024)	0.01758 (12111924)
3742834.7	0.03495m(12122124)	0.03022 (12111924)	0.02837 (12111924)	0.02503 (12111924)	0.02108 (12111924)
3742954.0	0.04701 (12111924)	0.04258 (12111924)	0.03641 (12111924)	0.02992 (12111924)	0.02352 (12111924)
3743073.3	0.05282m(12111424)	0.05147m(12111424)	0.04485m(12111424)	0.03448 (12111924)	0.02576 (12111924)
3743192.6	0.04412m(12111424)	0.04542m(12111424)	0.04402m(12111424)	0.04023m(12111424)	0.03148m(12111424)
3743311.9	0.04408m(12102324)	0.03936m(12102324)	0.03503 (12121724)	0.03174 (12110624)	0.02932 (12110624)
3743431.2	0.02902 (12121624)	0.02602 (12100524)	0.02385 (12121724)	0.02227 (12121724)	0.02015 (12121724)
3743550.5	0.01978 (12100524)	0.01771 (12100524)	0.01731 (12071524)	0.01564 (12071524)	0.01420 (12121724)
3743669.8	0.01426 (12100524)	0.01302 (12111724)	0.01310 (12071524)	0.01247 (12071524)	0.01066 (12112524)
3743789.1	0.01136 (12072324)	0.01035 (12091624)	0.00995 (12071524)	0.00981 (12071524)	0.00899 (12071524)
3743908.4	0.00955 (12072324)	0.00834 (12091624)	0.00738 (12071524)	0.00758 (12071524)	0.00764 (12071524)
3744027.7	0.00803 (12072324)	0.00682 (12091624)	0.00608 (12091624)	0.00573 (12071524)	0.00634 (12071524)
3744147.0	0.00675 (12072324)	0.00568 (12091624)	0.00525 (12091624)	0.00465 (12091624)	0.00510 (12071524)
3744266.3	0.00573 (12072324)	0.00521 (12040424)	0.00457 (12091624)	0.00425 (12091624)	0.00401 (12071524)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 452390.30	452511.80	452633.30	452754.80	452876.30
3741880.3	0.00713 (12120424)	0.00749 (12120424)	0.00769 (12070724)	0.00771 (12070724)	0.00710 (12070724)
3741999.6	0.00829 (12120424)	0.00831 (12070724)	0.00843 (12070724)	0.00778 (12070724)	0.00682 (12070724)
3742118.9	0.00928 (12120424)	0.00928 (12070724)	0.00856 (12070724)	0.00751 (12070724)	0.00649 (12012924)
3742238.2	0.01030 (12070724)	0.00950 (12070724)	0.00843m(12101424)	0.00777m(12103024)	0.00678m(12103024)
3742357.5	0.01076m(12101424)	0.01017m(12103024)	0.00938m(12103024)	0.00800m(12103024)	0.00704m(12083124)
3742476.8	0.01233m(12103024)	0.01128m(12103024)	0.00959m(12103024)	0.00844 (12111924)	0.00793 (12111924)
3742596.1	0.01354m(12103024)	0.01211 (12111924)	0.01071 (12111924)	0.00930 (12111924)	0.00839 (12111924)
3742715.4	0.01575 (12111924)	0.01367 (12111924)	0.01118 (12111924)	0.00948 (12111924)	0.00829 (12111924)
3742834.7	0.01745 (12111924)	0.01406 (12111924)	0.01097 (12111924)	0.00950m(12111424)	0.00842m(12111424)
3742954.0	0.01816 (12111924)	0.01357m(12111424)	0.01190m(12111424)	0.01013m(12111424)	0.00842m(12111424)
3743073.3	0.01875m(12111424)	0.01568m(12111424)	0.01269m(12111424)	0.00994m(12111424)	0.00769m(12111424)
3743192.6	0.02110m(12111424)	0.01541m(12111424)	0.01061m(12111424)	0.00864 (12050924)	0.00752 (12050924)
3743311.9	0.02200 (12110624)	0.01766 (12050924)	0.01444 (12050924)	0.01216 (12050924)	0.01050 (12050924)
3743431.2	0.01605 (12121724)	0.01184 (12121724)	0.00957 (12052124)	0.00879 (12052124)	0.00798 (12012624)
3743550.5	0.01235 (12121724)	0.01072 (12121724)	0.00894 (12121724)	0.00775m(12072024)	0.00685 (12122724)
3743669.8	0.01011 (12112524)	0.00921 (12012224)	0.00783 (12012224)	0.00682 (12121724)	0.00652m(12072024)
3743789.1	0.00858 (12112524)	0.00845 (12112524)	0.00767 (12012224)	0.00657 (12012224)	0.00526 (12092724)
3743908.4	0.00758 (12071524)	0.00741 (12112524)	0.00735 (12112524)	0.00649 (12012224)	0.00561 (12012224)
3744027.7	0.00669 (12071524)	0.00653 (12071524)	0.00660 (12112524)	0.00650 (12112524)	0.00567 (12112524)

3744147.0	0.00574 (12071524)	0.00590 (12071524)	0.00563 (12071524)	0.00594 (12112524)	0.00582 (12112524)
3744266.3	0.00479 (12071524)	0.00520 (12071524)	0.00520 (12071524)	0.00503 (12112524)	0.00540 (12112524)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 452997.80
3741880.3	0.00621 (12070724)
3741999.6	0.00584 (12012924)
3742118.9	0.00586m(12103024)
3742238.2	0.00619m(12083124)
3742357.5	0.00675 (12111924)
3742476.8	0.00749 (12111924)
3742596.1	0.00753 (12111924)
3742715.4	0.00723m(12111424)
3742834.7	0.00730m(12111424)
3742954.0	0.00690m(12111424)
3743073.3	0.00611 (12011924)
3743192.6	0.00663 (12050924)
3743311.9	0.00923 (12050924)
3743431.2	0.00720 (12012624)
3743550.5	0.00595m(12062924)
3743669.8	0.00578m(12072024)
3743789.1	0.00531m(12072024)
3743908.4	0.00451 (12092724)
3744027.7	0.00486 (12012224)
3744147.0	0.00505 (12112524)
3744266.3	0.00525 (12112524)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451808.80	3743414.00	0.03018	(12121624)	451611.10	3743386.10	0.03846m	(12013024)
451395.10	3743364.60	0.04372	(12121624)	451274.70	3743360.30	0.04072	(12121624)
451170.50	3743172.20	0.02934m	(12102324)	451376.80	3742977.70	0.03623m	(12122124)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02442 AT (451661.30, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001
	2ND HIGHEST VALUE IS	0.02437 AT (451661.30, 3743073.30, 0.00, 0.00, 0.00)	GC	RLPS4001
	3RD HIGHEST VALUE IS	0.02388 AT (451539.80, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001
	4TH HIGHEST VALUE IS	0.02383 AT (451782.80, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001
	5TH HIGHEST VALUE IS	0.02312 AT (451539.80, 3743073.30, 0.00, 0.00, 0.00)	GC	RLPS4001
	6TH HIGHEST VALUE IS	0.02312 AT (451782.80, 3743073.30, 0.00, 0.00, 0.00)	GC	RLPS4001
	7TH HIGHEST VALUE IS	0.02238 AT (451904.30, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001
	8TH HIGHEST VALUE IS	0.02080 AT (451418.30, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001
	9TH HIGHEST VALUE IS	0.02010 AT (451904.30, 3743073.30, 0.00, 0.00, 0.00)	GC	RLPS4001
	10TH HIGHEST VALUE IS	0.01994 AT (452025.80, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001

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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

** CONC OF PM10   IN MICROGRAMS/M**3   **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.05529m	ON 12102324:	AT (451418.30, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001

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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   1916 Informational Message(s)

A Total of   8784 Hours Were Processed

A Total of   3 Calm Hours Identified

A Total of   468 Missing Hours Identified (5.33 Percent)

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

********   WARNING MESSAGES   ********
*** NONE ***

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

ATTACHMENT C

Cancer Risk Calculation Spreadsheet

Air Quality Health Risk Calculations (Worst-Case)
Latitude Industrial Park Tier 4

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	**0.00946**
	Construction Start	**1/1/2020**
	Construction Complete	**10/5/2021**
	Days	**643**
	Construction Emission per day (lb/day)	**0.029424572**
	Annual Duration (Days)	**365**
input to AERMOD	Annualized Emission Rate (Grams/Second)	**0.000154275**
	Project Site Size (Acres)	**66**
	Project Site Size (meters^2)	**267092.5239**
	Length of Smalles Side (meters)	**516.8099495**
From AERMOD	Concentration Annual (Ug/M^3)	**0.0139**

	Days	Days to years				
Duration	643	1.761643836				
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139
Breathing Rate per agegroup BR/BW	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000482	0.00001454	0.00001149	0.00000994	0.00000447	0.00000387
Construction Days	643	1.761643836				
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED	0.25	1.761643836	1.761643836	1.761643836	1.761643836	1.761643836
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	1.6086E-07	3.42251E-06	6.86998E-07	5.94441E-07	9.03372E-08	7.82023E-08
Risk per million Exposed	0.160859537	3.42250594	0.686998343	0.594441075	0.090337164	0.078202321

Cancer Risk Per Million 9-years	4.27
Cancer Risk Per Million 30-years	4.27
Cancer Risk Per Million 70-years	4.26

ATTACHMENT D

AERMOD – NOX LST

```
1                    AERMOD PRIME - (DATED  19191)

                   AERMODPrMSPx VERSION
             (C) COPYRIGHT 1998-2017, Trinity Consultants

 Run Began on  4/28/2021 at 18:47:52

** BREEZE AERMOD
** Trinity Consultants
** VERSION  9.0

CO STARTING
CO TITLEONE  Latitude NOX 1HR LST
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  1
CO POLLUTID  NOX
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  JUVEM000  AREAPOLY  451194.7  3743326.2  0
** SRCDESCR  Area Source
SO SRCPARAM  JUVEM000  3.29E-08  3  12  1
SO AREAVERT  JUVEM000  451194.7 3743326.2  451286 3743218.4  451430.7 3743063.6  451550 3742958.3
SO AREAVERT  JUVEM000  451603.3 3742907.5  452369.7 3743256.5  452379.8 3743272.9  452313.9 3743333.9
SO AREAVERT  JUVEM000  451958.6 3743342.7  451558.8 3743328.8  451558.8 3743328.8  451194.7 3743326.2
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE GRIDCART RLPS4001 STA
RE GRIDCART RLPS4001 XYINC  450567.8  21  121.5  3744266.3  21  -119.3
RE GRIDCART RLPS4001 ELEV  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  3  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  5  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  6  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  7  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  8  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  9  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  10  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  11  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  12  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  13  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  14  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  15  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  16  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  17  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  18  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  19  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  20  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  21  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  3  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  5  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  6  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  7  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  8  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  9  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  10  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  11  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  12  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  13  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  14  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  15  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  16  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  17  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  18  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  19  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  20  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  21  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 END
RE DISCCART  451808.8  3743414  0  0
** SENSITIV
** RCPDESCR  R1
RE DISCCART  451611.1  3743386.1  0  0
** SENSITIV
** RCPDESCR  R2
RE DISCCART  451395.1  3743364.6  0  0
** SENSITIV
** RCPDESCR  R3
RE DISCCART  451274.7  3743360.3  0  0
** SENSITIV
** RCPDESCR  R4
RE DISCCART  451170.5  3743172.2  0  0
** SENSITIV
** RCPDESCR  R5
```

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RE DISCCART  451376.8  3742977.7  0  0
** SENSITIV
** RCPDESCR  R6
** BOUNDARY  25M
RE DISCCART  452418.6  3743245.4  0  0
RE DISCCART  452373.0  3743225.0  0  0
RE DISCCART  452327.3  3743204.5  0  0
RE DISCCART  452281.7  3743184.1  0  0
RE DISCCART  452236.1  3743163.7  0  0
RE DISCCART  452190.4  3743143.3  0  0
RE DISCCART  452144.8  3743122.8  0  0
RE DISCCART  452099.1  3743102.4  0  0
RE DISCCART  452053.5  3743082.0  0  0
RE DISCCART  452007.9  3743061.5  0  0
RE DISCCART  451962.2  3743041.1  0  0
RE DISCCART  451916.6  3743020.7  0  0
RE DISCCART  451871.0  3743000.2  0  0
RE DISCCART  451825.3  3742979.8  0  0
RE DISCCART  451779.7  3742959.4  0  0
RE DISCCART  451734.1  3742939.0  0  0
RE DISCCART  451688.4  3742918.5  0  0
RE DISCCART  451642.8  3742898.1  0  0
RE DISCCART  451597.2  3742877.7  0  0
RE DISCCART  451594.1  3742876.3  0  0
RE DISCCART  451559.4  3742907.5  0  0
RE DISCCART  451522.3  3742941.0  0  0
RE DISCCART  451485.1  3742974.4  0  0
RE DISCCART  451447.9  3743007.8  0  0
RE DISCCART  451411.2  3743040.9  0  0
RE DISCCART  451410.8  3743041.3  0  0
RE DISCCART  451378.1  3743079.1  0  0
RE DISCCART  451345.3  3743116.9  0  0
RE DISCCART  451312.6  3743154.7  0  0
RE DISCCART  451279.8  3743192.5  0  0
RE DISCCART  451247.1  3743230.3  0  0
RE DISCCART  451214.3  3743268.0  0  0
RE DISCCART  451181.6  3743305.8  0  0
RE DISCCART  451148.8  3743343.6  0  0
RE DISCCART  451140.3  3743353.4  0  0
RE DISCCART  451177.3  3743353.8  0  0
RE DISCCART  451227.3  3743354.4  0  0
RE DISCCART  451277.3  3743354.9  0  0
RE DISCCART  451327.3  3743355.5  0  0
RE DISCCART  451377.3  3743356.0  0  0
RE DISCCART  451427.3  3743356.6  0  0
RE DISCCART  451477.3  3743357.1  0  0
RE DISCCART  451527.3  3743357.7  0  0
RE DISCCART  451577.3  3743358.2  0  0
RE DISCCART  451594.1  3743358.4  0  0
RE DISCCART  451627.3  3743358.1  0  0
RE DISCCART  451677.3  3743357.7  0  0
RE DISCCART  451727.3  3743357.2  0  0
RE DISCCART  451777.3  3743356.8  0  0
RE DISCCART  451827.3  3743356.3  0  0
RE DISCCART  451877.3  3743355.9  0  0
RE DISCCART  451927.3  3743355.4  0  0
RE DISCCART  451977.3  3743355.0  0  0
RE DISCCART  452027.3  3743354.5  0  0
RE DISCCART  452077.3  3743354.1  0  0
RE DISCCART  452127.3  3743353.6  0  0
RE DISCCART  452177.3  3743353.2  0  0
RE DISCCART  452227.3  3743352.7  0  0
RE DISCCART  452277.3  3743352.3  0  0
RE DISCCART  452327.3  3743351.8  0  0
RE DISCCART  452328.8  3743351.8  0  0
RE DISCCART  452360.1  3743314.8  0  0
RE DISCCART  452392.3  3743276.6  0  0
** BOUNDARY  50M
RE DISCCART  452466.8  3743248.7  0  0
RE DISCCART  452421.4  3743227.8  0  0
RE DISCCART  452375.9  3743207.0  0  0
RE DISCCART  452330.5  3743186.1  0  0
RE DISCCART  452285.0  3743165.3  0  0
RE DISCCART  452239.6  3743144.4  0  0
RE DISCCART  452194.1  3743123.6  0  0
RE DISCCART  452148.7  3743102.7  0  0
RE DISCCART  452103.3  3743081.9  0  0
RE DISCCART  452057.8  3743061.0  0  0
RE DISCCART  452012.4  3743040.2  0  0
RE DISCCART  451966.9  3743019.3  0  0
RE DISCCART  451921.5  3742998.4  0  0
RE DISCCART  451876.0  3742977.6  0  0
RE DISCCART  451830.6  3742956.7  0  0
RE DISCCART  451785.2  3742935.9  0  0
RE DISCCART  451739.7  3742915.0  0  0
RE DISCCART  451694.3  3742894.2  0  0
RE DISCCART  451648.8  3742873.3  0  0
RE DISCCART  451603.4  3742852.5  0  0
RE DISCCART  451575.8  3742839.8  0  0
RE DISCCART  451561.8  3742853.6  0  0
RE DISCCART  451526.1  3742888.6  0  0
RE DISCCART  451490.5  3742923.7  0  0
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RE DISCCART  451454.8  3742958.7  0  0
RE DISCCART  451419.1  3742993.7  0  0
RE DISCCART  451386.3  3743026.0  0  0
RE DISCCART  451383.7  3743029.0  0  0
RE DISCCART  451350.8  3743066.7  0  0
RE DISCCART  451317.9  3743104.3  0  0
RE DISCCART  451285.0  3743142.0  0  0
RE DISCCART  451252.1  3743179.6  0  0
RE DISCCART  451219.2  3743217.3  0  0
RE DISCCART  451186.3  3743254.9  0  0
RE DISCCART  451153.4  3743292.6  0  0
RE DISCCART  451120.5  3743330.3  0  0
RE DISCCART  451087.7  3743367.9  0  0
RE DISCCART  451077.1  3743380.0  0  0
RE DISCCART  451111.1  3743380.2  0  0
RE DISCCART  451161.1  3743380.4  0  0
RE DISCCART  451211.1  3743380.7  0  0
RE DISCCART  451261.1  3743380.9  0  0
RE DISCCART  451311.1  3743381.2  0  0
RE DISCCART  451361.1  3743381.4  0  0
RE DISCCART  451411.1  3743381.7  0  0
RE DISCCART  451461.1  3743381.9  0  0
RE DISCCART  451511.1  3743382.2  0  0
RE DISCCART  451561.1  3743382.5  0  0
RE DISCCART  451611.1  3743382.7  0  0
RE DISCCART  451661.1  3743383.0  0  0
RE DISCCART  451711.1  3743383.2  0  0
RE DISCCART  451748.7  3743383.4  0  0
RE DISCCART  451761.1  3743383.3  0  0
RE DISCCART  451811.0  3743382.9  0  0
RE DISCCART  451861.0  3743382.4  0  0
RE DISCCART  451911.0  3743382.0  0  0
RE DISCCART  451961.0  3743381.6  0  0
RE DISCCART  452011.0  3743381.1  0  0
RE DISCCART  452061.0  3743380.7  0  0
RE DISCCART  452111.0  3743380.3  0  0
RE DISCCART  452161.0  3743379.9  0  0
RE DISCCART  452211.0  3743379.4  0  0
RE DISCCART  452261.0  3743379.0  0  0
RE DISCCART  452311.0  3743378.6  0  0
RE DISCCART  452330.5  3743378.4  0  0
RE DISCCART  452352.6  3743357.4  0  0
RE DISCCART  452388.8  3743322.9  0  0
RE DISCCART  452425.1  3743288.4  0  0
RE DISCCART  452461.3  3743254.0  0  0
** BOUNDARY  100M
RE DISCCART  452548.2  3743228.8  0  0
RE DISCCART  452525.5  3743218.4  0  0
RE DISCCART  452502.8  3743207.9  0  0
RE DISCCART  452480.1  3743197.5  0  0
RE DISCCART  452457.3  3743187.0  0  0
RE DISCCART  452434.6  3743176.6  0  0
RE DISCCART  452411.9  3743166.2  0  0
RE DISCCART  452389.2  3743155.7  0  0
RE DISCCART  452366.5  3743145.3  0  0
RE DISCCART  452343.8  3743134.8  0  0
RE DISCCART  452321.0  3743124.4  0  0
RE DISCCART  452298.3  3743114.0  0  0
RE DISCCART  452275.6  3743103.5  0  0
RE DISCCART  452252.9  3743093.1  0  0
RE DISCCART  452230.2  3743082.6  0  0
RE DISCCART  452207.5  3743072.2  0  0
RE DISCCART  452184.7  3743061.8  0  0
RE DISCCART  452162.0  3743051.3  0  0
RE DISCCART  452139.3  3743040.9  0  0
RE DISCCART  452116.6  3743030.4  0  0
RE DISCCART  452093.9  3743020.0  0  0
RE DISCCART  452071.2  3743009.6  0  0
RE DISCCART  452048.5  3742999.1  0  0
RE DISCCART  452025.7  3742988.7  0  0
RE DISCCART  452003.0  3742978.2  0  0
RE DISCCART  451980.3  3742967.8  0  0
RE DISCCART  451957.6  3742957.4  0  0
RE DISCCART  451934.9  3742946.9  0  0
RE DISCCART  451912.2  3742936.5  0  0
RE DISCCART  451889.4  3742926.0  0  0
RE DISCCART  451866.7  3742915.6  0  0
RE DISCCART  451844.0  3742905.2  0  0
RE DISCCART  451821.3  3742894.7  0  0
RE DISCCART  451798.6  3742884.3  0  0
RE DISCCART  451775.9  3742873.8  0  0
RE DISCCART  451753.1  3742863.4  0  0
RE DISCCART  451730.4  3742853.0  0  0
RE DISCCART  451707.7  3742842.5  0  0
RE DISCCART  451685.0  3742832.1  0  0
RE DISCCART  451662.3  3742821.6  0  0
RE DISCCART  451639.6  3742811.2  0  0
RE DISCCART  451616.8  3742800.8  0  0
RE DISCCART  451594.1  3742790.3  0  0
RE DISCCART  451571.4  3742779.9  0  0
RE DISCCART  451548.7  3742769.5  0  0
RE DISCCART  451542.5  3742766.6  0  0
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RE DISCCART  451529.3  3742779.1  0  0
RE DISCCART  451511.1  3742796.2  0  0
RE DISCCART  451492.9  3742813.4  0  0
RE DISCCART  451474.7  3742830.6  0  0
RE DISCCART  451456.6  3742847.7  0  0
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RE DISCCART  451420.2  3742882.0  0  0
RE DISCCART  451402.0  3742899.2  0  0
RE DISCCART  451383.9  3742916.4  0  0
RE DISCCART  451365.7  3742933.5  0  0
RE DISCCART  451347.5  3742950.7  0  0
RE DISCCART  451329.3  3742967.9  0  0
RE DISCCART  451311.1  3742985.0  0  0
RE DISCCART  451306.5  3742989.4  0  0
RE DISCCART  451294.8  3743003.9  0  0
RE DISCCART  451279.0  3743023.3  0  0
RE DISCCART  451263.3  3743042.7  0  0
RE DISCCART  451247.5  3743062.1  0  0
RE DISCCART  451231.8  3743081.5  0  0
RE DISCCART  451216.0  3743100.9  0  0
RE DISCCART  451200.3  3743120.3  0  0
RE DISCCART  451184.5  3743139.8  0  0
RE DISCCART  451168.8  3743159.2  0  0
RE DISCCART  451153.0  3743178.6  0  0
RE DISCCART  451137.3  3743198.0  0  0
RE DISCCART  451121.5  3743217.4  0  0
RE DISCCART  451105.8  3743236.8  0  0
RE DISCCART  451090.0  3743256.2  0  0
RE DISCCART  451074.3  3743275.7  0  0
RE DISCCART  451058.5  3743295.1  0  0
RE DISCCART  451042.8  3743314.5  0  0
RE DISCCART  451027.0  3743333.9  0  0
RE DISCCART  451011.3  3743353.3  0  0
RE DISCCART  450995.5  3743372.7  0  0
RE DISCCART  450979.8  3743392.2  0  0
RE DISCCART  450964.0  3743411.6  0  0
RE DISCCART  450948.3  3743431.0  0  0
RE DISCCART  450942.4  3743438.2  0  0
RE DISCCART  450958.1  3743438.1  0  0
RE DISCCART  450983.1  3743437.9  0  0
RE DISCCART  451008.1  3743437.7  0  0
RE DISCCART  451033.1  3743437.5  0  0
RE DISCCART  451058.1  3743437.3  0  0
RE DISCCART  451083.1  3743437.1  0  0
RE DISCCART  451108.1  3743436.8  0  0
RE DISCCART  451133.1  3743436.6  0  0
RE DISCCART  451158.1  3743436.4  0  0
RE DISCCART  451183.1  3743436.2  0  0
RE DISCCART  451208.1  3743436.0  0  0
RE DISCCART  451233.1  3743435.8  0  0
RE DISCCART  451258.1  3743435.6  0  0
RE DISCCART  451283.1  3743435.4  0  0
RE DISCCART  451308.1  3743435.2  0  0
RE DISCCART  451333.1  3743435.0  0  0
RE DISCCART  451358.1  3743434.8  0  0
RE DISCCART  451383.1  3743434.6  0  0
RE DISCCART  451408.1  3743434.4  0  0
RE DISCCART  451433.1  3743434.2  0  0
RE DISCCART  451458.1  3743434.0  0  0
RE DISCCART  451483.1  3743433.8  0  0
RE DISCCART  451508.1  3743433.6  0  0
RE DISCCART  451533.1  3743433.4  0  0
RE DISCCART  451558.1  3743433.2  0  0
RE DISCCART  451583.1  3743433.0  0  0
RE DISCCART  451608.1  3743432.8  0  0
RE DISCCART  451633.1  3743432.6  0  0
RE DISCCART  451658.1  3743432.4  0  0
RE DISCCART  451683.1  3743432.1  0  0
RE DISCCART  451708.1  3743431.9  0  0
RE DISCCART  451733.1  3743431.7  0  0
RE DISCCART  451758.1  3743431.5  0  0
RE DISCCART  451783.1  3743431.3  0  0
RE DISCCART  451808.1  3743431.1  0  0
RE DISCCART  451833.1  3743430.9  0  0
RE DISCCART  451858.1  3743430.7  0  0
RE DISCCART  451883.1  3743430.5  0  0
RE DISCCART  451908.1  3743430.3  0  0
RE DISCCART  451933.1  3743430.1  0  0
RE DISCCART  451958.1  3743429.9  0  0
RE DISCCART  451983.1  3743429.7  0  0
RE DISCCART  452008.1  3743429.5  0  0
RE DISCCART  452033.1  3743429.3  0  0
RE DISCCART  452058.1  3743429.1  0  0
RE DISCCART  452083.1  3743428.9  0  0
RE DISCCART  452108.1  3743428.7  0  0
RE DISCCART  452133.1  3743428.5  0  0
RE DISCCART  452158.1  3743428.3  0  0
RE DISCCART  452183.1  3743428.1  0  0
RE DISCCART  452208.1  3743427.9  0  0
RE DISCCART  452233.1  3743427.7  0  0
RE DISCCART  452258.1  3743427.5  0  0
RE DISCCART  452283.1  3743427.2  0  0
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RE DISCCART  452308.1  3743427.0  0  0
RE DISCCART  452333.1  3743426.8  0  0
RE DISCCART  452358.1  3743426.6  0  0
RE DISCCART  452362.1  3743426.6  0  0
RE DISCCART  452360.4  3743423.3  0  0
RE DISCCART  452372.4  3743410.9  0  0
RE DISCCART  452389.7  3743392.9  0  0
RE DISCCART  452407.1  3743374.9  0  0
RE DISCCART  452424.5  3743356.9  0  0
RE DISCCART  452441.8  3743339.0  0  0
RE DISCCART  452459.2  3743321.0  0  0
RE DISCCART  452476.6  3743303.0  0  0
RE DISCCART  452493.9  3743285.0  0  0
RE DISCCART  452511.3  3743267.0  0  0
RE DISCCART  452528.7  3743249.0  0  0
RE DISCCART  452546.0  3743231.0  0  0
** BOUNDARY  200M
RE DISCCART  452719.5  3743202.2  0  0
RE DISCCART  452628.7  3743160.4  0  0
RE DISCCART  452537.8  3743118.6  0  0
RE DISCCART  452447.0  3743076.8  0  0
RE DISCCART  452356.1  3743035.0  0  0
RE DISCCART  452265.3  3742993.2  0  0
RE DISCCART  452174.4  3742951.5  0  0
RE DISCCART  452083.6  3742909.7  0  0
RE DISCCART  451992.7  3742867.9  0  0
RE DISCCART  451901.9  3742826.1  0  0
RE DISCCART  451811.0  3742784.3  0  0
RE DISCCART  451720.2  3742742.5  0  0
RE DISCCART  451629.3  3742700.7  0  0
RE DISCCART  451538.5  3742658.9  0  0
RE DISCCART  451494.3  3742638.6  0  0
RE DISCCART  451460.5  3742677.3  0  0
RE DISCCART  451394.8  3742752.7  0  0
RE DISCCART  451329.1  3742828.1  0  0
RE DISCCART  451263.4  3742903.5  0  0
RE DISCCART  451197.7  3742978.9  0  0
RE DISCCART  451132.0  3743054.2  0  0
RE DISCCART  451066.3  3743129.6  0  0
RE DISCCART  451000.6  3743205.0  0  0
RE DISCCART  450934.9  3743280.4  0  0
RE DISCCART  450869.2  3743355.8  0  0
RE DISCCART  450803.5  3743431.2  0  0
RE DISCCART  450737.8  3743506.5  0  0
RE DISCCART  450703.1  3743546.3  0  0
RE DISCCART  450750.4  3743545.8  0  0
RE DISCCART  450850.4  3743544.8  0  0
RE DISCCART  450950.3  3743543.9  0  0
RE DISCCART  451050.3  3743542.9  0  0
RE DISCCART  451150.3  3743541.9  0  0
RE DISCCART  451250.3  3743540.9  0  0
RE DISCCART  451350.3  3743539.9  0  0
RE DISCCART  451450.3  3743538.9  0  0
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RE DISCCART  451750.3  3743536.0  0  0
RE DISCCART  451850.3  3743535.0  0  0
RE DISCCART  451950.3  3743534.0  0  0
RE DISCCART  452050.3  3743533.0  0  0
RE DISCCART  452150.3  3743532.0  0  0
RE DISCCART  452250.3  3743531.0  0  0
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RE DISCCART  452395.3  3743529.6  0  0
RE DISCCART  452433.5  3743491.4  0  0
RE DISCCART  452434.2  3743490.7  0  0
RE DISCCART  452504.5  3743419.6  0  0
RE DISCCART  452574.8  3743348.5  0  0
RE DISCCART  452645.1  3743277.4  0  0
RE DISCCART  452715.4  3743206.3  0  0
** BOUNDARY  500M
RE DISCCART  453238.9  3743099.6  0  0
RE DISCCART  453170.5  3743068.7  0  0
RE DISCCART  453102.2  3743037.9  0  0
RE DISCCART  453033.8  3743007.0  0  0
RE DISCCART  452965.5  3742976.2  0  0
RE DISCCART  452897.1  3742945.3  0  0
RE DISCCART  452828.7  3742914.5  0  0
RE DISCCART  452760.4  3742883.6  0  0
RE DISCCART  452692.0  3742852.8  0  0
RE DISCCART  452623.6  3742821.9  0  0
RE DISCCART  452555.3  3742791.1  0  0
RE DISCCART  452486.9  3742760.2  0  0
RE DISCCART  452418.6  3742729.4  0  0
RE DISCCART  452350.2  3742698.5  0  0
RE DISCCART  452281.8  3742667.7  0  0
RE DISCCART  452213.5  3742636.8  0  0
RE DISCCART  452145.1  3742606.0  0  0
RE DISCCART  452076.8  3742575.1  0  0
RE DISCCART  452008.4  3742544.3  0  0
RE DISCCART  451940.0  3742513.4  0  0
RE DISCCART  451871.7  3742482.6  0  0
RE DISCCART  451803.3  3742451.7  0  0
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RE DISCCART  451735.0  3742420.9  0  0
RE DISCCART  451666.6  3742390.0  0  0
RE DISCCART  451598.2  3742359.2  0  0
RE DISCCART  451529.9  3742328.3  0  0
RE DISCCART  451461.5  3742297.5  0  0
RE DISCCART  451393.1  3742266.6  0  0
RE DISCCART  451360.5  3742251.9  0  0
RE DISCCART  451336.9  3742283.2  0  0
RE DISCCART  451291.8  3742343.1  0  0
RE DISCCART  451246.7  3742403.0  0  0
RE DISCCART  451201.6  3742462.9  0  0
RE DISCCART  451156.5  3742522.8  0  0
RE DISCCART  451111.3  3742582.7  0  0
RE DISCCART  451066.2  3742642.7  0  0
RE DISCCART  451021.1  3742702.6  0  0
RE DISCCART  450976.0  3742762.5  0  0
RE DISCCART  450930.9  3742822.4  0  0
RE DISCCART  450885.7  3742882.3  0  0
RE DISCCART  450840.6  3742942.2  0  0
RE DISCCART  450795.5  3743002.1  0  0
RE DISCCART  450750.4  3743062.0  0  0
RE DISCCART  450705.3  3743121.9  0  0
RE DISCCART  450660.1  3743181.8  0  0
RE DISCCART  450615.0  3743241.8  0  0
RE DISCCART  450569.9  3743301.7  0  0
RE DISCCART  450524.8  3743361.6  0  0
RE DISCCART  450479.7  3743421.5  0  0
RE DISCCART  450434.5  3743481.4  0  0
RE DISCCART  450389.4  3743541.3  0  0
RE DISCCART  450344.3  3743601.2  0  0
RE DISCCART  450299.2  3743661.1  0  0
RE DISCCART  450254.1  3743721.0  0  0
RE DISCCART  450208.9  3743781.0  0  0
RE DISCCART  450163.8  3743840.9  0  0
RE DISCCART  450153.7  3743854.3  0  0
RE DISCCART  450211.9  3743853.4  0  0
RE DISCCART  450286.9  3743852.3  0  0
RE DISCCART  450361.9  3743851.1  0  0
RE DISCCART  450436.8  3743850.0  0  0
RE DISCCART  450511.8  3743848.8  0  0
RE DISCCART  450586.8  3743847.7  0  0
RE DISCCART  450661.8  3743846.5  0  0
RE DISCCART  450736.8  3743845.4  0  0
RE DISCCART  450811.8  3743844.2  0  0
RE DISCCART  450886.8  3743843.1  0  0
RE DISCCART  450961.8  3743841.9  0  0
RE DISCCART  451036.8  3743840.8  0  0
RE DISCCART  451111.8  3743839.7  0  0
RE DISCCART  451186.8  3743838.5  0  0
RE DISCCART  451261.7  3743837.4  0  0
RE DISCCART  451336.7  3743836.2  0  0
RE DISCCART  451411.7  3743835.1  0  0
RE DISCCART  451486.7  3743833.9  0  0
RE DISCCART  451561.7  3743832.8  0  0
RE DISCCART  451636.7  3743831.6  0  0
RE DISCCART  451711.7  3743830.5  0  0
RE DISCCART  451786.7  3743829.3  0  0
RE DISCCART  451861.7  3743828.2  0  0
RE DISCCART  451936.7  3743827.0  0  0
RE DISCCART  452011.7  3743825.9  0  0
RE DISCCART  452086.6  3743824.7  0  0
RE DISCCART  452161.6  3743823.6  0  0
RE DISCCART  452236.6  3743822.5  0  0
RE DISCCART  452311.6  3743821.3  0  0
RE DISCCART  452386.6  3743820.2  0  0
RE DISCCART  452461.6  3743819.0  0  0
RE DISCCART  452536.6  3743817.9  0  0
RE DISCCART  452540.8  3743817.8  0  0
RE DISCCART  452590.1  3743767.0  0  0
RE DISCCART  452642.4  3743713.3  0  0
RE DISCCART  452694.7  3743659.5  0  0
RE DISCCART  452747.0  3743605.7  0  0
RE DISCCART  452799.2  3743551.9  0  0
RE DISCCART  452851.5  3743498.1  0  0
RE DISCCART  452903.8  3743444.4  0  0
RE DISCCART  452956.1  3743390.6  0  0
RE DISCCART  453008.3  3743336.8  0  0
RE DISCCART  453060.6  3743283.0  0  0
RE DISCCART  453112.9  3743229.2  0  0
RE DISCCART  453165.2  3743175.5  0  0
RE DISCCART  453217.4  3743121.7  0  0
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\ryan.DESKTOP-5P6B2VB\OneDrive\LDN One Drive 2\City of Corona\19-05 Latitude Corona\4-23-21\AERMOD\ELSI8.SFC"
** SURFFILE  "C:\Users\ryan.DESKTOP-5P6B2VB\OneDrive\LDN One Drive 2\City of Corona\19-05 Latitude Corona\4-23-21\AERMOD\ELSI8.SFC"
ME PROFFILE  "C:\Users\ryan.DESKTOP-5P6B2VB\OneDrive\LDN One Drive 2\City of Corona\19-05 Latitude Corona\4-23-21\AERMOD\ELSI8.PFL"
** PROFFILE  "C:\Users\ryan.DESKTOP-5P6B2VB\OneDrive\LDN One Drive 2\City of Corona\19-05 Latitude Corona\4-23-21\AERMOD\ELSI8.PFL"
ME SURFDATA  0 2008
ME UAIRDATA  3190 2008
ME SITEDATA  00099999 2008
ME PROFBASE  0  METERS
```

```
ME STARTEND  2012  1  1  1  2012  12  31  24
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU FILEFORM  FIX
OU PLOTFILE  1  ALL  FIRST  ALL`1`FIRST.plt  10000
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["G
reenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]
]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE UserDefined
** AERMODEXE  AERMOD_BREEZE_19191_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE


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

 *** AERMOD - VERSION  19191 ***   ***  Latitude NOX 1HR LST                                                    ***        04/28/21
 *** AERMET - VERSION  14134 ***   ***                                                                         ***       18:47:52
                                                                                                                       PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL

                                        ***     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 RURAL Dispersion Only.

 **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.

 **Other Options Specified:
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  NOX

 **Model Calculates  1 Short Term Average(s) of:   1-HR

 **This Run Includes:      1 Source(s);       1 Source Group(s); and     888 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      0 VOLUME source(s)
                and:      1 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      0 line(s)
```

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) =   0.00 ; 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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
JUVEM000	0	0.32900E-07	451194.7	3743326.2	0.0	3.00	12	1.00	NO	

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	JUVEM000 ,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

450567.8, 450689.3, 450810.8, 450932.3, 451053.8, 451175.3, 451296.8, 451418.3, 451539.8, 451661.3,
451782.8, 451904.3, 452025.8, 452147.3, 452268.8, 452390.3, 452511.8, 452633.3, 452754.8, 452876.3,
452997.8,

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

3744266.3, 3744147.0, 3744027.7, 3743908.4, 3743789.1, 3743669.8, 3743550.5, 3743431.2, 3743311.9, 3743192.6,
3743073.3, 3742954.0, 3742834.7, 3742715.4, 3742596.1, 3742476.8, 3742357.5, 3742238.2, 3742118.9, 3741999.6,
3741880.3,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 452754.80	452876.30	452997.80
3741880.30	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80

Y-COORD (METERS)	451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	452754.80	452876.30	452997.80
3741880.30	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(452418.6, 3743245.4,	0.0,	0.0,	0.0);	(452373.0, 3743225.0,	0.0,	0.0,	0.0);
(452327.3, 3743204.5,	0.0,	0.0,	0.0);	(452281.7, 3743184.1,	0.0,	0.0,	0.0);
(452236.1, 3743163.7,	0.0,	0.0,	0.0);	(452190.4, 3743143.3,	0.0,	0.0,	0.0);
(452144.8, 3743122.8,	0.0,	0.0,	0.0);	(452099.1, 3743102.4,	0.0,	0.0,	0.0);
(452053.5, 3743082.0,	0.0,	0.0,	0.0);	(452007.9, 3743061.5,	0.0,	0.0,	0.0);
(451962.2, 3743041.1,	0.0,	0.0,	0.0);	(451916.6, 3743020.7,	0.0,	0.0,	0.0);
(451871.0, 3743000.2,	0.0,	0.0,	0.0);	(451825.3, 3742979.8,	0.0,	0.0,	0.0);
(451779.7, 3742959.4,	0.0,	0.0,	0.0);	(451734.1, 3742939.0,	0.0,	0.0,	0.0);
(451688.4, 3742918.5,	0.0,	0.0,	0.0);	(451642.8, 3742898.1,	0.0,	0.0,	0.0);
(451597.2, 3742877.7,	0.0,	0.0,	0.0);	(451594.1, 3742876.3,	0.0,	0.0,	0.0);
(451559.4, 3742907.5,	0.0,	0.0,	0.0);	(451522.3, 3742941.0,	0.0,	0.0,	0.0);
(451485.1, 3742974.4,	0.0,	0.0,	0.0);	(451447.9, 3743007.8,	0.0,	0.0,	0.0);
(451411.2, 3743040.9,	0.0,	0.0,	0.0);	(451410.8, 3743041.3,	0.0,	0.0,	0.0);
(451378.1, 3743079.1,	0.0,	0.0,	0.0);	(451345.3, 3743116.9,	0.0,	0.0,	0.0);
(451312.6, 3743154.7,	0.0,	0.0,	0.0);	(451279.8, 3743192.5,	0.0,	0.0,	0.0);
(451247.1, 3743230.3,	0.0,	0.0,	0.0);	(451214.3, 3743268.0,	0.0,	0.0,	0.0);
(451181.6, 3743305.8,	0.0,	0.0,	0.0);	(451148.8, 3743343.6,	0.0,	0.0,	0.0);
(451140.3, 3743353.4,	0.0,	0.0,	0.0);	(451177.3, 3743353.8,	0.0,	0.0,	0.0);
(451227.3, 3743354.4,	0.0,	0.0,	0.0);	(451277.3, 3743354.9,	0.0,	0.0,	0.0);
(451327.3, 3743355.5,	0.0,	0.0,	0.0);	(451377.3, 3743356.0,	0.0,	0.0,	0.0);
(451427.3, 3743356.6,	0.0,	0.0,	0.0);	(451477.3, 3743357.1,	0.0,	0.0,	0.0);
(451527.3, 3743357.7,	0.0,	0.0,	0.0);	(451577.3, 3743358.2,	0.0,	0.0,	0.0);
(451594.1, 3743358.4,	0.0,	0.0,	0.0);	(451627.3, 3743358.1,	0.0,	0.0,	0.0);
(451677.3, 3743357.7,	0.0,	0.0,	0.0);	(451727.3, 3743357.2,	0.0,	0.0,	0.0);
(451777.3, 3743356.8,	0.0,	0.0,	0.0);	(451827.3, 3743356.3,	0.0,	0.0,	0.0);
(451877.3, 3743355.9,	0.0,	0.0,	0.0);	(451927.3, 3743355.4,	0.0,	0.0,	0.0);
(451977.3, 3743355.0,	0.0,	0.0,	0.0);	(452027.3, 3743354.5,	0.0,	0.0,	0.0);
(452077.3, 3743354.1,	0.0,	0.0,	0.0);	(452127.3, 3743353.6,	0.0,	0.0,	0.0);
(452177.3, 3743353.2,	0.0,	0.0,	0.0);	(452227.3, 3743352.7,	0.0,	0.0,	0.0);
(452277.3, 3743352.3,	0.0,	0.0,	0.0);	(452327.3, 3743351.8,	0.0,	0.0,	0.0);
(452328.8, 3743351.8,	0.0,	0.0,	0.0);	(452360.1, 3743314.8,	0.0,	0.0,	0.0);
(452392.3, 3743276.6,	0.0,	0.0,	0.0);	(452466.8, 3743248.7,	0.0,	0.0,	0.0);
(452421.4, 3743227.8,	0.0,	0.0,	0.0);	(452375.9, 3743207.0,	0.0,	0.0,	0.0);
(452330.5, 3743186.1,	0.0,	0.0,	0.0);	(452285.0, 3743165.3,	0.0,	0.0,	0.0);
(452239.6, 3743144.4,	0.0,	0.0,	0.0);	(452194.1, 3743123.6,	0.0,	0.0,	0.0);
(452148.7, 3743102.7,	0.0,	0.0,	0.0);	(452103.3, 3743081.9,	0.0,	0.0,	0.0);
(452057.8, 3743061.0,	0.0,	0.0,	0.0);	(452012.4, 3743040.2,	0.0,	0.0,	0.0);
(451966.9, 3743019.3,	0.0,	0.0,	0.0);	(451921.5, 3742998.4,	0.0,	0.0,	0.0);
(451876.0, 3742977.6,	0.0,	0.0,	0.0);	(451830.6, 3742956.7,	0.0,	0.0,	0.0);
(451785.2, 3742935.9,	0.0,	0.0,	0.0);	(451739.7, 3742915.0,	0.0,	0.0,	0.0);
(451694.3, 3742894.2,	0.0,	0.0,	0.0);	(451648.8, 3742873.3,	0.0,	0.0,	0.0);
(451603.4, 3742852.5,	0.0,	0.0,	0.0);	(451575.8, 3742839.8,	0.0,	0.0,	0.0);
(451561.8, 3742853.6,	0.0,	0.0,	0.0);	(451526.1, 3742888.6,	0.0,	0.0,	0.0);
(451490.5, 3742923.7,	0.0,	0.0,	0.0);	(451454.8, 3742958.7,	0.0,	0.0,	0.0);
(451419.1, 3742993.7,	0.0,	0.0,	0.0);	(451386.3, 3743026.0,	0.0,	0.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(451383.7, 3743029.0,	0.0,	0.0,	0.0);	(451350.8, 3743066.7,	0.0,	0.0,	0.0);
(451317.9, 3743104.3,	0.0,	0.0,	0.0);	(451285.0, 3743142.0,	0.0,	0.0,	0.0);
(451252.1, 3743179.6,	0.0,	0.0,	0.0);	(451219.2, 3743217.3,	0.0,	0.0,	0.0);
(451186.3, 3743254.9,	0.0,	0.0,	0.0);	(451153.4, 3743292.6,	0.0,	0.0,	0.0);
(451120.5, 3743330.3,	0.0,	0.0,	0.0);	(451087.7, 3743367.9,	0.0,	0.0,	0.0);
(451077.1, 3743380.0,	0.0,	0.0,	0.0);	(451111.1, 3743380.2,	0.0,	0.0,	0.0);
(451161.1, 3743380.4,	0.0,	0.0,	0.0);	(451211.1, 3743380.7,	0.0,	0.0,	0.0);
(451261.1, 3743380.9,	0.0,	0.0,	0.0);	(451311.1, 3743381.2,	0.0,	0.0,	0.0);
(451361.1, 3743381.4,	0.0,	0.0,	0.0);	(451411.1, 3743381.7,	0.0,	0.0,	0.0);
(451461.1, 3743381.9,	0.0,	0.0,	0.0);	(451511.1, 3743382.2,	0.0,	0.0,	0.0);
(451561.1, 3743382.5,	0.0,	0.0,	0.0);	(451611.1, 3743382.7,	0.0,	0.0,	0.0);
(451661.1, 3743383.0,	0.0,	0.0,	0.0);	(451711.1, 3743383.2,	0.0,	0.0,	0.0);
(451748.7, 3743383.4,	0.0,	0.0,	0.0);	(451761.1, 3743383.3,	0.0,	0.0,	0.0);
(451811.0, 3743382.9,	0.0,	0.0,	0.0);	(451861.0, 3743382.4,	0.0,	0.0,	0.0);
(451911.0, 3743382.0,	0.0,	0.0,	0.0);	(451961.0, 3743381.6,	0.0,	0.0,	0.0);
(452011.0, 3743381.1,	0.0,	0.0,	0.0);	(452061.0, 3743380.7,	0.0,	0.0,	0.0);
(452111.0, 3743380.3,	0.0,	0.0,	0.0);	(452161.0, 3743379.9,	0.0,	0.0,	0.0);
(452211.0, 3743379.4,	0.0,	0.0,	0.0);	(452261.0, 3743379.0,	0.0,	0.0,	0.0);
(452311.0, 3743378.6,	0.0,	0.0,	0.0);	(452330.5, 3743378.4,	0.0,	0.0,	0.0);
(452352.6, 3743357.4,	0.0,	0.0,	0.0);	(452388.8, 3743322.9,	0.0,	0.0,	0.0);
(452425.1, 3743288.4,	0.0,	0.0,	0.0);	(452461.3, 3743254.0,	0.0,	0.0,	0.0);
(452548.2, 3743228.8,	0.0,	0.0,	0.0);	(452525.5, 3743218.4,	0.0,	0.0,	0.0);
(452502.8, 3743207.9,	0.0,	0.0,	0.0);	(452480.1, 3743197.5,	0.0,	0.0,	0.0);
(452457.3, 3743187.0,	0.0,	0.0,	0.0);	(452434.6, 3743176.6,	0.0,	0.0,	0.0);
(452411.9, 3743166.2,	0.0,	0.0,	0.0);	(452389.2, 3743155.7,	0.0,	0.0,	0.0);
(452366.5, 3743145.3,	0.0,	0.0,	0.0);	(452343.8, 3743134.8,	0.0,	0.0,	0.0);
(452321.0, 3743124.4,	0.0,	0.0,	0.0);	(452298.3, 3743114.0,	0.0,	0.0,	0.0);
(452275.6, 3743103.5,	0.0,	0.0,	0.0);	(452252.9, 3743093.1,	0.0,	0.0,	0.0);
(452230.2, 3743082.6,	0.0,	0.0,	0.0);	(452207.5, 3743072.2,	0.0,	0.0,	0.0);
(452184.7, 3743061.8,	0.0,	0.0,	0.0);	(452162.0, 3743051.3,	0.0,	0.0,	0.0);

(452139.3, 3743040.9,	0.0,	0.0,	0.0);	(452116.6, 3743030.4,	0.0,	0.0,	0.0);
(452093.9, 3743020.0,	0.0,	0.0,	0.0);	(452071.2, 3743009.6,	0.0,	0.0,	0.0);
(452048.5, 3742999.1,	0.0,	0.0,	0.0);	(452025.7, 3742988.7,	0.0,	0.0,	0.0);
(452003.0, 3742978.2,	0.0,	0.0,	0.0);	(451980.3, 3742967.8,	0.0,	0.0,	0.0);
(451957.6, 3742957.4,	0.0,	0.0,	0.0);	(451934.9, 3742946.9,	0.0,	0.0,	0.0);
(451912.2, 3742936.5,	0.0,	0.0,	0.0);	(451889.4, 3742926.0,	0.0,	0.0,	0.0);
(451866.7, 3742915.6,	0.0,	0.0,	0.0);	(451844.0, 3742905.2,	0.0,	0.0,	0.0);
(451821.3, 3742894.7,	0.0,	0.0,	0.0);	(451798.6, 3742884.3,	0.0,	0.0,	0.0);
(451775.9, 3742873.8,	0.0,	0.0,	0.0);	(451753.1, 3742863.4,	0.0,	0.0,	0.0);
(451730.4, 3742853.0,	0.0,	0.0,	0.0);	(451707.7, 3742842.5,	0.0,	0.0,	0.0);
(451685.0, 3742832.1,	0.0,	0.0,	0.0);	(451662.3, 3742821.6,	0.0,	0.0,	0.0);
(451639.6, 3742811.2,	0.0,	0.0,	0.0);	(451616.8, 3742800.8,	0.0,	0.0,	0.0);
(451594.1, 3742790.3,	0.0,	0.0,	0.0);	(451571.4, 3742779.9,	0.0,	0.0,	0.0);
(451548.7, 3742769.5,	0.0,	0.0,	0.0);	(451542.5, 3742766.6,	0.0,	0.0,	0.0);
(451529.3, 3742779.1,	0.0,	0.0,	0.0);	(451511.1, 3742796.2,	0.0,	0.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(451492.9, 3742813.4,	0.0,	0.0,	0.0);	(451474.7, 3742830.6,	0.0,	0.0,	0.0);
(451456.6, 3742847.7,	0.0,	0.0,	0.0);	(451438.4, 3742864.9,	0.0,	0.0,	0.0);
(451420.2, 3742882.0,	0.0,	0.0,	0.0);	(451402.0, 3742899.2,	0.0,	0.0,	0.0);
(451383.9, 3742916.4,	0.0,	0.0,	0.0);	(451365.7, 3742933.5,	0.0,	0.0,	0.0);
(451347.5, 3742950.7,	0.0,	0.0,	0.0);	(451329.3, 3742967.9,	0.0,	0.0,	0.0);
(451311.1, 3742985.0,	0.0,	0.0,	0.0);	(451306.5, 3742989.4,	0.0,	0.0,	0.0);
(451294.8, 3743003.9,	0.0,	0.0,	0.0);	(451279.0, 3743023.3,	0.0,	0.0,	0.0);
(451263.3, 3743042.7,	0.0,	0.0,	0.0);	(451247.5, 3743062.1,	0.0,	0.0,	0.0);
(451231.8, 3743081.5,	0.0,	0.0,	0.0);	(451216.0, 3743100.9,	0.0,	0.0,	0.0);
(451200.3, 3743120.3,	0.0,	0.0,	0.0);	(451184.5, 3743139.8,	0.0,	0.0,	0.0);
(451168.8, 3743159.2,	0.0,	0.0,	0.0);	(451153.0, 3743178.6,	0.0,	0.0,	0.0);
(451137.3, 3743198.0,	0.0,	0.0,	0.0);	(451121.5, 3743217.4,	0.0,	0.0,	0.0);
(451105.8, 3743236.8,	0.0,	0.0,	0.0);	(451090.0, 3743256.2,	0.0,	0.0,	0.0);
(451074.3, 3743275.7,	0.0,	0.0,	0.0);	(451058.5, 3743295.1,	0.0,	0.0,	0.0);
(451042.8, 3743314.5,	0.0,	0.0,	0.0);	(451027.0, 3743333.9,	0.0,	0.0,	0.0);
(451011.3, 3743353.3,	0.0,	0.0,	0.0);	(450995.5, 3743372.7,	0.0,	0.0,	0.0);
(450979.8, 3743392.2,	0.0,	0.0,	0.0);	(450964.0, 3743411.6,	0.0,	0.0,	0.0);
(450948.3, 3743431.0,	0.0,	0.0,	0.0);	(450942.4, 3743438.2,	0.0,	0.0,	0.0);
(450958.1, 3743438.1,	0.0,	0.0,	0.0);	(450983.1, 3743437.9,	0.0,	0.0,	0.0);
(451008.1, 3743437.7,	0.0,	0.0,	0.0);	(451033.1, 3743437.5,	0.0,	0.0,	0.0);
(451058.1, 3743437.3,	0.0,	0.0,	0.0);	(451083.1, 3743437.1,	0.0,	0.0,	0.0);
(451108.1, 3743436.8,	0.0,	0.0,	0.0);	(451133.1, 3743436.6,	0.0,	0.0,	0.0);
(451158.1, 3743436.4,	0.0,	0.0,	0.0);	(451183.1, 3743436.2,	0.0,	0.0,	0.0);
(451208.1, 3743436.0,	0.0,	0.0,	0.0);	(451233.1, 3743435.8,	0.0,	0.0,	0.0);
(451258.1, 3743435.6,	0.0,	0.0,	0.0);	(451283.1, 3743435.4,	0.0,	0.0,	0.0);
(451308.1, 3743435.2,	0.0,	0.0,	0.0);	(451333.1, 3743435.0,	0.0,	0.0,	0.0);
(451358.1, 3743434.8,	0.0,	0.0,	0.0);	(451383.1, 3743434.6,	0.0,	0.0,	0.0);
(451408.1, 3743434.4,	0.0,	0.0,	0.0);	(451433.1, 3743434.2,	0.0,	0.0,	0.0);
(451458.1, 3743434.0,	0.0,	0.0,	0.0);	(451483.1, 3743433.8,	0.0,	0.0,	0.0);
(451508.1, 3743433.6,	0.0,	0.0,	0.0);	(451533.1, 3743433.4,	0.0,	0.0,	0.0);
(451558.1, 3743433.2,	0.0,	0.0,	0.0);	(451583.1, 3743433.0,	0.0,	0.0,	0.0);
(451608.1, 3743432.8,	0.0,	0.0,	0.0);	(451633.1, 3743432.6,	0.0,	0.0,	0.0);
(451658.1, 3743432.4,	0.0,	0.0,	0.0);	(451683.1, 3743432.1,	0.0,	0.0,	0.0);
(451708.1, 3743431.9,	0.0,	0.0,	0.0);	(451733.1, 3743431.7,	0.0,	0.0,	0.0);
(451758.1, 3743431.5,	0.0,	0.0,	0.0);	(451783.1, 3743431.3,	0.0,	0.0,	0.0);
(451808.1, 3743431.1,	0.0,	0.0,	0.0);	(451833.1, 3743430.9,	0.0,	0.0,	0.0);
(451858.1, 3743430.7,	0.0,	0.0,	0.0);	(451883.1, 3743430.5,	0.0,	0.0,	0.0);
(451908.1, 3743430.3,	0.0,	0.0,	0.0);	(451933.1, 3743430.1,	0.0,	0.0,	0.0);
(451958.1, 3743429.9,	0.0,	0.0,	0.0);	(451983.1, 3743429.7,	0.0,	0.0,	0.0);
(452008.1, 3743429.5,	0.0,	0.0,	0.0);	(452033.1, 3743429.3,	0.0,	0.0,	0.0);
(452058.1, 3743429.1,	0.0,	0.0,	0.0);	(452083.1, 3743428.9,	0.0,	0.0,	0.0);
(452108.1, 3743428.7,	0.0,	0.0,	0.0);	(452133.1, 3743428.5,	0.0,	0.0,	0.0);
(452158.1, 3743428.3,	0.0,	0.0,	0.0);	(452183.1, 3743428.1,	0.0,	0.0,	0.0);
(452208.1, 3743427.9,	0.0,	0.0,	0.0);	(452233.1, 3743427.7,	0.0,	0.0,	0.0);
(452258.1, 3743427.5,	0.0,	0.0,	0.0);	(452283.1, 3743427.2,	0.0,	0.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(452308.1, 3743427.0,	0.0,	0.0,	0.0);	(452333.1, 3743426.8,	0.0,	0.0,	0.0);
(452358.1, 3743426.6,	0.0,	0.0,	0.0);	(452362.1, 3743426.6,	0.0,	0.0,	0.0);
(452360.4, 3743423.3,	0.0,	0.0,	0.0);	(452372.4, 3743410.9,	0.0,	0.0,	0.0);
(452389.7, 3743392.9,	0.0,	0.0,	0.0);	(452407.1, 3743374.9,	0.0,	0.0,	0.0);
(452424.5, 3743356.9,	0.0,	0.0,	0.0);	(452441.8, 3743339.0,	0.0,	0.0,	0.0);
(452459.2, 3743321.0,	0.0,	0.0,	0.0);	(452476.6, 3743303.0,	0.0,	0.0,	0.0);
(452493.9, 3743285.0,	0.0,	0.0,	0.0);	(452511.3, 3743267.0,	0.0,	0.0,	0.0);
(452528.7, 3743249.0,	0.0,	0.0,	0.0);	(452546.0, 3743231.0,	0.0,	0.0,	0.0);
(452719.5, 3743202.2,	0.0,	0.0,	0.0);	(452628.7, 3743160.4,	0.0,	0.0,	0.0);
(452537.8, 3743118.6,	0.0,	0.0,	0.0);	(452447.0, 3743076.8,	0.0,	0.0,	0.0);
(452356.1, 3743035.0,	0.0,	0.0,	0.0);	(452265.3, 3742993.2,	0.0,	0.0,	0.0);
(452174.4, 3742951.5,	0.0,	0.0,	0.0);	(452083.6, 3742909.7,	0.0,	0.0,	0.0);
(451992.7, 3742867.9,	0.0,	0.0,	0.0);	(451901.9, 3742826.1,	0.0,	0.0,	0.0);
(451811.0, 3742784.3,	0.0,	0.0,	0.0);	(451720.2, 3742742.5,	0.0,	0.0,	0.0);

(451629.3, 3742700.7, 0.0, 0.0, 0.0);	(451538.5, 3742658.9, 0.0, 0.0, 0.0);
(451494.3, 3742638.6, 0.0, 0.0, 0.0);	(451460.5, 3742677.3, 0.0, 0.0, 0.0);
(451394.8, 3742752.7, 0.0, 0.0, 0.0);	(451329.1, 3742828.1, 0.0, 0.0, 0.0);
(451263.4, 3742903.5, 0.0, 0.0, 0.0);	(451197.7, 3742978.9, 0.0, 0.0, 0.0);
(451132.0, 3743054.2, 0.0, 0.0, 0.0);	(451066.3, 3743129.6, 0.0, 0.0, 0.0);
(451000.6, 3743205.0, 0.0, 0.0, 0.0);	(450934.9, 3743280.4, 0.0, 0.0, 0.0);
(450869.2, 3743355.8, 0.0, 0.0, 0.0);	(450803.5, 3743431.2, 0.0, 0.0, 0.0);
(450737.8, 3743506.5, 0.0, 0.0, 0.0);	(450703.1, 3743546.3, 0.0, 0.0, 0.0);
(450750.4, 3743545.8, 0.0, 0.0, 0.0);	(450850.4, 3743544.8, 0.0, 0.0, 0.0);
(450950.3, 3743543.9, 0.0, 0.0, 0.0);	(451050.3, 3743542.9, 0.0, 0.0, 0.0);
(451150.3, 3743541.9, 0.0, 0.0, 0.0);	(451250.3, 3743540.9, 0.0, 0.0, 0.0);
(451350.3, 3743539.9, 0.0, 0.0, 0.0);	(451450.3, 3743538.9, 0.0, 0.0, 0.0);
(451550.3, 3743537.9, 0.0, 0.0, 0.0);	(451650.3, 3743537.0, 0.0, 0.0, 0.0);
(451750.3, 3743536.0, 0.0, 0.0, 0.0);	(451850.3, 3743535.0, 0.0, 0.0, 0.0);
(451950.3, 3743534.0, 0.0, 0.0, 0.0);	(452050.3, 3743533.0, 0.0, 0.0, 0.0);
(452150.3, 3743532.0, 0.0, 0.0, 0.0);	(452250.3, 3743531.0, 0.0, 0.0, 0.0);
(452350.3, 3743530.0, 0.0, 0.0, 0.0);	(452395.3, 3743529.6, 0.0, 0.0, 0.0);
(452433.5, 3743491.4, 0.0, 0.0, 0.0);	(452434.2, 3743490.7, 0.0, 0.0, 0.0);
(452504.5, 3743419.6, 0.0, 0.0, 0.0);	(452574.8, 3743348.5, 0.0, 0.0, 0.0);
(452645.1, 3743277.4, 0.0, 0.0, 0.0);	(452715.4, 3743206.3, 0.0, 0.0, 0.0);
(453238.9, 3743099.6, 0.0, 0.0, 0.0);	(453170.5, 3743068.7, 0.0, 0.0, 0.0);
(453102.2, 3743037.9, 0.0, 0.0, 0.0);	(453033.8, 3743007.0, 0.0, 0.0, 0.0);
(452965.5, 3742976.2, 0.0, 0.0, 0.0);	(452897.1, 3742945.3, 0.0, 0.0, 0.0);
(452828.7, 3742914.5, 0.0, 0.0, 0.0);	(452760.4, 3742883.6, 0.0, 0.0, 0.0);
(452692.0, 3742852.8, 0.0, 0.0, 0.0);	(452623.6, 3742821.9, 0.0, 0.0, 0.0);
(452555.3, 3742791.1, 0.0, 0.0, 0.0);	(452486.9, 3742760.2, 0.0, 0.0, 0.0);
(452418.6, 3742729.4, 0.0, 0.0, 0.0);	(452350.2, 3742698.5, 0.0, 0.0, 0.0);
(452281.8, 3742667.7, 0.0, 0.0, 0.0);	(452213.5, 3742636.8, 0.0, 0.0, 0.0);
(452145.1, 3742606.0, 0.0, 0.0, 0.0);	(452076.8, 3742575.1, 0.0, 0.0, 0.0);
(452008.4, 3742544.3, 0.0, 0.0, 0.0);	(451940.0, 3742513.4, 0.0, 0.0, 0.0);
(451871.7, 3742482.6, 0.0, 0.0, 0.0);	(451803.3, 3742451.7, 0.0, 0.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(451735.0, 3742420.9, 0.0, 0.0, 0.0);	(451666.6, 3742390.0, 0.0, 0.0, 0.0);
(451598.2, 3742359.2, 0.0, 0.0, 0.0);	(451529.9, 3742328.3, 0.0, 0.0, 0.0);
(451461.5, 3742297.5, 0.0, 0.0, 0.0);	(451393.1, 3742266.6, 0.0, 0.0, 0.0);
(451360.5, 3742251.9, 0.0, 0.0, 0.0);	(451336.9, 3742283.2, 0.0, 0.0, 0.0);
(451291.8, 3742343.1, 0.0, 0.0, 0.0);	(451246.7, 3742403.0, 0.0, 0.0, 0.0);
(451201.6, 3742462.9, 0.0, 0.0, 0.0);	(451156.5, 3742522.8, 0.0, 0.0, 0.0);
(451111.3, 3742582.7, 0.0, 0.0, 0.0);	(451066.2, 3742642.7, 0.0, 0.0, 0.0);
(451021.1, 3742702.6, 0.0, 0.0, 0.0);	(450976.0, 3742762.5, 0.0, 0.0, 0.0);
(450930.9, 3742822.4, 0.0, 0.0, 0.0);	(450885.7, 3742882.3, 0.0, 0.0, 0.0);
(450840.6, 3742942.2, 0.0, 0.0, 0.0);	(450795.5, 3743002.1, 0.0, 0.0, 0.0);
(450750.4, 3743062.0, 0.0, 0.0, 0.0);	(450705.3, 3743121.9, 0.0, 0.0, 0.0);
(450660.1, 3743181.8, 0.0, 0.0, 0.0);	(450615.0, 3743241.8, 0.0, 0.0, 0.0);
(450569.9, 3743301.7, 0.0, 0.0, 0.0);	(450524.8, 3743361.6, 0.0, 0.0, 0.0);
(450479.7, 3743421.5, 0.0, 0.0, 0.0);	(450434.5, 3743481.4, 0.0, 0.0, 0.0);
(450389.4, 3743541.3, 0.0, 0.0, 0.0);	(450344.3, 3743601.2, 0.0, 0.0, 0.0);
(450299.2, 3743661.1, 0.0, 0.0, 0.0);	(450254.1, 3743721.0, 0.0, 0.0, 0.0);
(450208.9, 3743781.0, 0.0, 0.0, 0.0);	(450163.8, 3743840.9, 0.0, 0.0, 0.0);
(450153.7, 3743854.3, 0.0, 0.0, 0.0);	(450211.9, 3743853.4, 0.0, 0.0, 0.0);
(450286.9, 3743852.3, 0.0, 0.0, 0.0);	(450361.9, 3743851.1, 0.0, 0.0, 0.0);
(450436.8, 3743850.0, 0.0, 0.0, 0.0);	(450511.8, 3743848.8, 0.0, 0.0, 0.0);
(450586.8, 3743847.7, 0.0, 0.0, 0.0);	(450661.8, 3743846.5, 0.0, 0.0, 0.0);
(450736.8, 3743845.4, 0.0, 0.0, 0.0);	(450811.8, 3743844.2, 0.0, 0.0, 0.0);
(450886.8, 3743843.1, 0.0, 0.0, 0.0);	(450961.8, 3743841.9, 0.0, 0.0, 0.0);
(451036.8, 3743840.8, 0.0, 0.0, 0.0);	(451111.8, 3743839.7, 0.0, 0.0, 0.0);
(451186.8, 3743838.5, 0.0, 0.0, 0.0);	(451261.7, 3743837.4, 0.0, 0.0, 0.0);
(451336.7, 3743836.2, 0.0, 0.0, 0.0);	(451411.7, 3743835.1, 0.0, 0.0, 0.0);
(451486.7, 3743833.9, 0.0, 0.0, 0.0);	(451561.7, 3743832.8, 0.0, 0.0, 0.0);
(451636.7, 3743831.6, 0.0, 0.0, 0.0);	(451711.7, 3743830.5, 0.0, 0.0, 0.0);
(451786.7, 3743829.3, 0.0, 0.0, 0.0);	(451861.7, 3743828.2, 0.0, 0.0, 0.0);
(451936.7, 3743827.0, 0.0, 0.0, 0.0);	(452011.7, 3743825.9, 0.0, 0.0, 0.0);
(452086.6, 3743824.7, 0.0, 0.0, 0.0);	(452161.6, 3743823.6, 0.0, 0.0, 0.0);
(452236.6, 3743822.5, 0.0, 0.0, 0.0);	(452311.6, 3743821.3, 0.0, 0.0, 0.0);
(452386.6, 3743820.2, 0.0, 0.0, 0.0);	(452461.6, 3743819.0, 0.0, 0.0, 0.0);
(452536.6, 3743817.9, 0.0, 0.0, 0.0);	(452540.8, 3743817.8, 0.0, 0.0, 0.0);
(452590.1, 3743767.0, 0.0, 0.0, 0.0);	(452642.4, 3743713.3, 0.0, 0.0, 0.0);
(452694.7, 3743659.5, 0.0, 0.0, 0.0);	(452747.0, 3743605.7, 0.0, 0.0, 0.0);
(452799.2, 3743551.9, 0.0, 0.0, 0.0);	(452851.5, 3743498.1, 0.0, 0.0, 0.0);
(452903.8, 3743444.4, 0.0, 0.0, 0.0);	(452956.1, 3743390.6, 0.0, 0.0, 0.0);
(453008.3, 3743336.8, 0.0, 0.0, 0.0);	(453060.6, 3743283.0, 0.0, 0.0, 0.0);
(453112.9, 3743229.2, 0.0, 0.0, 0.0);	(453165.2, 3743175.5, 0.0, 0.0, 0.0);
(453217.4, 3743121.7, 0.0, 0.0, 0.0);	

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** 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
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2012 1 1 1
AND END DATE: 2012 12 31 24

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 NODRYDPLT NOWETDPLT RURAL

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

Surface file: C:\Users\ryan.DESKTOP-5P6B2VB\OneDrive\LDN One Drive 2\City of Corona\19-05 Lati Met Version: 14134
Profile file: C:\Users\ryan.DESKTOP-5P6B2VB\OneDrive\LDN One Drive 2\City of Corona\19-05 Lati
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2008 Year: 2008

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2	5.5
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.54	999.00	999.	-9.0	283.8	5.5
08	01	01	1	09	27.2	-9.000	-9.000	-9.000	60.	-999.	-99999.0	0.23	1.00	0.33	999.00	999.	-9.0	285.9	5.5
08	01	01	1	10	74.6	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.23	1.00	0.25	999.00	999.	-9.0	288.1	5.5
08	01	01	1	11	107.4	-9.000	-9.000	-9.000	375.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	289.9	5.5
08	01	01	1	12	122.7	-9.000	-9.000	-9.000	578.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	289.9	5.5
08	01	01	1	13	121.3	-9.000	-9.000	-9.000	714.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	291.4	5.5
08	01	01	1	14	102.1	-9.000	-9.000	-9.000	763.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	292.0	5.5
08	01	01	1	15	65.8	-9.000	-9.000	-9.000	792.	-999.	-99999.0	0.23	1.00	0.27	999.00	999.	-9.0	291.4	5.5
08	01	01	1	16	16.0	-9.000	-9.000	-9.000	798.	-999.	-99999.0	0.23	1.00	0.36	999.00	999.	-9.0	290.4	5.5
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.63	999.00	999.	-9.0	288.8	5.5
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	287.5	5.5
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	286.4	5.5
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	285.4	5.5
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2	5.5
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	282.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80
3741880.3	2.88089 (12010920)	2.92489 (12101703)	2.93670 (12103103)	2.95298 (12103105)	2.94617 (12122121)
3741999.6	3.10281 (12091706)	3.13412 (12010920)	3.17724 (12101703)	3.19039 (12103103)	3.18793 (12051705)
3742118.9	3.33826 (12103004)	3.40120 (12091706)	3.43414 (12010920)	3.47451 (12120821)	3.47301 (12101402)
3742238.2	3.60982 (12031001)	3.70104 (12112004)	3.77099 (12102906)	3.79975 (12112622)	3.82576 (12030603)
3742357.5	3.89689 (12012019)	4.03668 (12110624)	4.14633 (12011102)	4.22427 (12102906)	4.25354 (12112622)
3742476.8	4.22777 (12011905)	4.40852 (12100705)	4.56993 (12012019)	4.71585 (12123020)	4.79692 (12103004)
3742596.1	4.57732 (12052302)	4.81481 (12112401)	5.04313 (12011905)	5.27640 (12100705)	5.47906 (12110624)
3742715.4	4.91350 (12022207)	5.23495 (12010607)	5.55479 (12052302)	5.89940 (12112401)	6.22429 (12011905)
3742834.7	5.24150 (12120924)	5.66790 (12030502)	6.09507 (12122122)	6.51773 (12022207)	6.99784 (12010607)

3742954.0	5.62149 (12010101)	6.10787 (12010101)	6.62473 (12052701)	7.21927 (12120924)	7.81209 (12030502)
3743073.3	5.92548 (12103005)	6.52267 (12103005)	7.14757 (12103005)	7.83673 (12110724)	8.77249 (12110724)
3743192.6	6.07870 (12100724)	6.78367 (12100724)	7.61409 (12100724)	8.59129 (12100724)	9.74809 (12100724)
3743311.9	6.13442 (12102421)	6.82673 (12102422)	7.69837 (12102422)	8.77977 (12102422)	10.25010 (12022302)
3743431.2	5.79706 (12101603)	6.32926 (12100424)	6.97196 (12040423)	7.57850 (12061002)	7.99158 (12122204)
3743550.5	5.28646 (12061002)	5.60244 (12060902)	5.95536 (12122204)	6.19247 (12060603)	6.24717 (12101705)
3743669.8	4.73359 (12122204)	4.95015 (12112121)	5.11981 (12011004)	5.21367 (12101705)	5.19937 (12041423)
3743789.1	4.25181 (12062604)	4.38328 (12121022)	4.47704 (12101705)	4.51556 (12062502)	4.49584 (12101606)
3743908.4	3.84194 (12063004)	3.92566 (12101705)	3.97207 (12062502)	3.99756 (12052924)	3.98349 (12042824)
3744027.7	3.49854 (12062504)	3.55210 (12030505)	3.59232 (12051124)	3.60389 (12100624)	3.59638 (12030522)
3744147.0	3.21264 (12030505)	3.25439 (12040405)	3.27730 (12060301)	3.28865 (12042824)	3.28689 (12121120)
3744266.3	2.96820 (12040405)	3.00180 (12070302)	3.02040 (12070103)	3.03164 (12030522)	3.03147 (12062324)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 451175.30	451296.80	451418.30	451539.80	451661.30
3741880.3	2.93506 (12013001)	2.90849 (12110701)	2.89864 (12031002)	2.87982 (12031005)	2.85861 (12010122)
3741999.6	3.16327 (12112501)	3.14785 (12040324)	3.11908 (12042904)	3.09425 (12020322)	3.07340 (12010122)
3742118.9	3.45581 (12122121)	3.42025 (12100703)	3.38359 (12032104)	3.34847 (12020322)	3.32403 (12010122)
3742238.2	3.80496 (12103105)	3.75747 (12112501)	3.70341 (12110701)	3.65391 (12072904)	3.62093 (12010122)
3742357.5	4.24491 (12030603)	4.19417 (12090203)	4.10911 (12102804)	4.02994 (12112506)	3.97906 (12010122)
3742476.8	4.82864 (12112622)	4.77277 (12102724)	4.64439 (12112501)	4.50839 (12031002)	4.43811 (12011024)
3742596.1	5.60142 (12103004)	5.58814 (12112622)	5.41163 (12062405)	5.14819 (12122105)	5.02717 (12101602)
3742715.4	6.53819 (12012019)	6.74988 (12123020)	6.64253 (12112622)	6.10433 (12112501)	5.82446 (12102905)
3742834.7	7.56910 (12010506)	8.11644 (12011905)	8.57413 (12012019)	8.14403 (12091706)	7.07411 (12050901)
3742954.0	8.62833 (12030502)	9.44676 (12022207)	10.22717 (12052302)	10.35715 (12112401)	9.14229 (12012019)
3743073.3	9.76766 (12110724)	10.89639 (12010101)	11.20579 (12052701)	10.17836 (12120924)	9.14905 (12022207)
3743192.6	11.10168 (12041705)	11.91336 (12041705)	11.01387 (12110322)	9.98117 (12110322)	8.93007 (12103005)
3743311.9	11.81754 (12102901)	11.24737 (12102901)	10.43382 (12022302)	9.57232 (12022302)	8.60326 (12022302)
3743431.2	7.76399 (12063004)	7.23164 (12030505)	6.71624 (12070202)	6.38690 (12032102)	6.37073 (12062523)
3743550.5	6.08740 (12040405)	5.86593 (12060724)	5.66942 (12120921)	5.55312 (12062101)	5.57176 (12062523)
3743669.8	5.10645 (12070103)	4.99689 (12100823)	4.90220 (12041624)	4.85722 (12062101)	4.87358 (12120902)
3743789.1	4.44372 (12011501)	4.38400 (12101323)	4.33756 (12042722)	4.31696 (12011021)	4.33167 (12122203)
3743908.4	3.95667 (12100823)	3.92386 (12120921)	3.88588 (12042722)	3.88576 (12011021)	3.90571 (12122203)
3744027.7	3.58038 (12062324)	3.56214 (12020405)	3.54635 (12032102)	3.54060 (12030923)	3.56059 (12122203)
3744147.0	3.27907 (12060802)	3.27113 (12041624)	3.26674 (12032102)	3.26397 (12030923)	3.27775 (12020806)
3744266.3	3.02907 (12050522)	3.02749 (12042722)	3.01918 (12032102)	3.02955 (12030923)	3.03966 (12020806)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 451782.80	451904.30	452025.80	452147.30	452268.80
3741880.3	2.84686 (12120703)	2.83262 (12042105)	2.82287 (12101605)	2.80409 (12092504)	2.78097 (12062503)
3741999.6	3.05956 (12120703)	3.04880 (12101902)	3.03406 (12052204)	3.01290 (12050903)	2.98334 (12041923)
3742118.9	3.30892 (12010123)	3.29134 (12053005)	3.28110 (12092504)	3.25780 (12050901)	3.22023 (12072805)
3742238.2	3.60677 (12102905)	3.60026 (12020407)	3.58354 (12103023)	3.54796 (12010221)	3.49593 (12040502)
3742357.5	3.97557 (12042105)	3.97385 (12122118)	3.95382 (12041923)	3.90261 (12040502)	3.82888 (12122005)
3742476.8	4.44754 (12053005)	4.45699 (12062503)	4.41731 (12110723)	4.33299 (12122005)	4.22824 (12063003)
3742596.1	5.08638 (12092504)	5.09127 (12120620)	5.00185 (12122005)	4.86579 (12020924)	4.71140 (12110220)
3742715.4	6.00675 (12010221)	5.92929 (12122005)	5.73816 (12010420)	5.52986 (12101403)	5.31673 (12062903)
3742834.7	7.23861 (12102904)	7.01043 (12060702)	6.71748 (12110324)	6.41129 (12110101)	6.11208 (12010624)
3742954.0	8.40263 (12022224)	8.46879 (12110101)	8.12451 (12022222)	7.67867 (12111403)	7.21254 (12061124)
3743073.3	7.99209 (12052302)	9.15231 (12041802)	10.04648 (12120624)	9.63106 (12120624)	8.86910 (12051001)
3743192.6	7.73431 (12110724)	8.84185 (12030924)	10.01607 (12010107)	11.10448 (12112702)	11.76791 (12112702)
3743311.9	7.49726 (12022302)	8.59795 (12121519)	9.78038 (12010620)	10.87677 (12010620)	11.85821 (12010620)
3743431.2	6.65667 (12032203)	7.14354 (12122124)	7.75954 (12112504)	8.29818 (12020907)	8.71918 (12040923)
3743550.5	5.69675 (12032623)	5.87299 (12012422)	6.20609 (12122124)	6.48873 (12031422)	6.71273 (12101104)
3743669.8	4.92743 (12032623)	5.06818 (12032203)	5.19166 (12120804)	5.39037 (12051702)	5.53444 (12031422)
3743789.1	4.37890 (12040422)	4.44884 (12010307)	4.50041 (12012422)	4.65178 (12120804)	4.73288 (12051702)
3743908.4	3.93584 (12033023)	3.96926 (12032623)	4.04728 (12012422)	4.05853 (12102920)	4.15703 (12122124)
3744027.7	3.58503 (12021022)	3.61959 (12032623)	3.65671 (12010307)	3.65359 (12012422)	3.74702 (12120804)
3744147.0	3.29534 (12110605)	3.29680 (12032623)	3.34127 (12010307)	3.38645 (12012422)	3.34610 (12102920)
3744266.3	3.05253 (12110605)	3.06553 (12040422)	3.05875 (12032623)	3.12091 (12032203)	3.08181 (12061222)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 452390.30	452511.80	452633.30	452754.80	452876.30
3741880.3	2.75034 (12092602)	2.71419 (12110723)	2.67382 (12110721)	2.62941 (12122005)	2.58080 (12010622)
3741999.6	2.94611 (12120620)	2.89982 (12110721)	2.85207 (12122005)	2.79842 (12010622)	2.73777 (12010420)
3742118.9	3.17201 (12012920)	3.11576 (12122005)	3.05496 (12010622)	2.99017 (12010420)	2.91815 (12060702)
3742238.2	3.43459 (12122005)	3.36266 (12010622)	3.28368 (12010420)	3.20683 (12060702)	3.12584 (12101403)
3742357.5	3.74446 (12063003)	3.64208 (12123103)	3.55551 (12110220)	3.45854 (12022224)	3.35864 (12062903)
3742476.8	4.11291 (12123103)	3.98875 (12101403)	3.86872 (12110324)	3.74878 (12020922)	3.62869 (12110101)
3742596.1	4.55678 (12022224)	4.38719 (12020922)	4.24366 (12110101)	4.09202 (12111901)	3.94235 (12022222)
3742715.4	5.10456 (12110101)	4.89870 (12111901)	4.69218 (12022222)	4.49793 (12111403)	4.31410 (12011001)
3742834.7	5.81415 (12020404)	5.53594 (12011001)	5.25769 (12061124)	5.00924 (12041802)	4.71809 (12101504)
3742954.0	6.77482 (12041802)	6.38648 (12101504)	6.00969 (12120624)	5.60234 (12120624)	5.25979 (12092102)
3743073.3	8.23629 (12051001)	7.61109 (12051001)	7.03257 (12050601)	6.50882 (12012219)	6.00823 (12012219)
3743192.6	10.71529 (12010107)	9.54665 (12010107)	8.50528 (12112702)	7.57765 (12112702)	6.77714 (12030824)
3743311.9	12.49210 (12010620)	11.20362 (12010620)	9.46104 (12101201)	8.14412 (12010321)	7.18718 (12010321)
3743431.2	9.02713 (12051003)	9.00638 (12011105)	8.50111 (12112001)	7.64920 (12011706)	6.91593 (12121519)
3743550.5	6.87646 (12031402)	6.96968 (12040923)	6.92597 (12051003)	6.60285 (12092522)	6.27685 (12040222)
3743669.8	5.63781 (12100505)	5.71510 (12020907)	5.67885 (12040923)	5.65535 (12011503)	5.50672 (12051003)
3743789.1	4.82568 (12031422)	4.88409 (12100505)	4.89870 (12020907)	4.88579 (12031402)	4.82899 (12040923)
3743908.4	4.23924 (12040722)	4.27729 (12031422)	4.30983 (12100505)	4.27309 (12101104)	4.27678 (12031402)
3744027.7	3.80059 (12122124)	3.83372 (12040722)	3.83735 (12031422)	3.85494 (12100505)	3.82997 (12101104)
3744147.0	3.44743 (12120804)	3.47721 (12051702)	3.48592 (12040722)	3.47389 (12031422)	3.48770 (12071505)
3744266.3	3.13335 (12102920)	3.14142 (12122124)	3.19240 (12051702)	3.18189 (12040722)	3.16621 (12031422)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 452997.80
3741880.3	2.53189 (12020924)
3741999.6	2.68406 (12123103)
3742118.9	2.84002 (12110220)
3742238.2	3.04500 (12110324)
3742357.5	3.25894 (12020922)
3742476.8	3.50932 (12111901)
3742596.1	3.79455 (12020404)
3742715.4	4.11889 (12061124)
3742834.7	4.53378 (12101504)
3742954.0	4.93026 (12051001)
3743073.3	5.55685 (12030924)
3743192.6	6.11113 (12030824)
3743311.9	6.39710 (12010321)
3743431.2	6.25192 (12121519)
3743550.5	5.81725 (12112001)
3743669.8	5.19455 (12092522)
3743789.1	4.69749 (12100702)
3743908.4	4.15599 (12092723)
3744027.7	3.80152 (12051924)
3744147.0	3.46354 (12101104)
3744266.3	3.18305 (12071505)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
452418.60	3743245.40	12.01665	(12052105)	452373.00	3743225.00	11.88007	(12012921)
452327.30	3743204.50	11.70122	(12030824)	452281.70	3743184.10	11.49211	(12010107)
452236.10	3743163.70	11.25476	(12053003)	452190.40	3743143.30	10.99710	(12030924)
452144.80	3743122.80	10.73938	(12050601)	452099.10	3743102.40	10.44966	(12051001)
452053.50	3743082.00	10.14444	(12120624)	452007.90	3743061.50	9.88260	(12101504)
451962.20	3743041.10	9.58173	(12041802)	451916.60	3743020.70	9.28172	(12111403)
451871.00	3743000.20	8.98004	(12010624)	451825.30	3742979.80	8.68858	(12011005)
451779.70	3742959.40	8.40685	(12110324)	451734.10	3742939.00	8.13612	(12060702)
451688.40	3742918.50	7.87605	(12010622)	451642.80	3742898.10	8.06391	(12102906)
451597.20	3742877.70	8.42121	(12102906)	451594.10	3742876.30	8.44749	(12102906)

451559.40	3742907.50	9.92015	(12012019)	451522.30	3742941.00	10.39394	(12110604)
451485.10	3742974.40	10.63868	(12052302)	451447.90	3743007.80	10.92753	(12022207)
451411.20	3743040.90	11.11814	(12120924)	451410.80	3743041.30	11.12326	(12120924)
451378.10	3743079.10	11.38056	(12010502)	451345.30	3743116.90	11.56793	(12110724)
451312.60	3743154.70	11.74771	(12103005)	451279.80	3743192.50	11.94720	(12041705)
451247.10	3743230.30	11.92026	(12100724)	451214.30	3743268.00	12.11449	(12060623)
451181.60	3743305.80	11.92198	(12022302)	451148.80	3743343.60	10.70530	(12100424)
451140.30	3743353.40	10.27446	(12040423)	451177.30	3743353.80	10.15211	(12061002)
451227.30	3743354.40	9.85464	(12061002)	451277.30	3743354.90	9.55600	(12061002)
451327.30	3743355.50	9.24886	(12061002)	451377.30	3743356.00	8.94378	(12061002)
451427.30	3743356.60	8.63671	(12061002)	451477.30	3743357.10	8.34337	(12061002)
451527.30	3743357.70	8.05865	(12061002)	451577.30	3743358.20	7.77577	(12061002)
451594.10	3743358.40	7.67741	(12061002)	451627.30	3743358.10	7.50409	(12061002)
451677.30	3743357.70	7.22726	(12061002)	451727.30	3743357.20	6.93366	(12061002)
451777.30	3743356.80	6.85935	(12012422)	451827.30	3743356.30	7.23598	(12011503)
451877.30	3743355.90	7.75638	(12100702)	451927.30	3743355.40	8.27158	(12051003)
451977.30	3743355.00	8.76428	(12051003)	452027.30	3743354.50	9.23843	(12011105)
452077.30	3743354.10	9.65893	(12011105)	452127.30	3743353.60	10.04510	(12011105)
452177.30	3743353.20	10.40818	(12040222)	452227.30	3743352.70	10.75605	(12040222)
452277.30	3743352.30	11.08008	(12102902)	452327.30	3743351.80	11.38105	(12102902)
452328.80	3743351.80	11.38892	(12102902)	452360.10	3743314.80	12.45171	(12010620)
452392.30	3743276.60	12.81951	(12010321)	452466.80	3743248.70	11.43739	(12052105)
452421.40	3743227.80	11.43615	(12012921)	452375.90	3743207.00	11.30389	(12030824)
452330.50	3743186.10	11.14055	(12010107)	452285.00	3743165.30	10.93198	(12053003)
452239.60	3743144.40	10.74092	(12030924)	452194.10	3743123.60	10.53256	(12050601)
452148.70	3743102.70	10.30014	(12051001)	452103.30	3743081.90	10.00369	(12092102)
452057.80	3743061.00	9.82042	(12101504)	452012.40	3743040.20	9.56383	(12041802)
451966.90	3743019.30	9.30701	(12011001)	451921.50	3742998.40	9.03749	(12020404)
451876.00	3742977.60	8.79274	(12040403)	451830.60	3742956.70	8.53260	(12020922)
451785.20	3742935.90	8.29642	(12101403)	451739.70	3742915.00	8.06174	(12010420)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451694.30	3742894.20	7.82424	(12122005)	451648.80	3742873.30	7.46369	(12072805)
451603.40	3742852.50	7.54418	(12101703)	451575.80	3742839.80	7.71784	(12101703)
451561.80	3742853.60	8.36764	(12091706)	451526.10	3742888.60	9.71935	(12012019)
451490.50	3742923.70	10.21118	(12110604)	451454.80	3742958.70	10.48931	(12052302)
451419.10	3742993.70	10.75058	(12022207)	451386.30	3743026.00	10.94343	(12030502)
451383.70	3743029.00	10.94982	(12030502)	451350.80	3743066.70	11.21277	(12010502)
451317.90	3743104.30	11.39716	(12110724)	451285.00	3743142.00	11.56914	(12103005)
451252.10	3743179.60	11.72425	(12110322)	451219.20	3743217.30	11.80001	(12100724)
451186.30	3743254.90	11.85479	(12060623)	451153.40	3743292.60	11.70362	(12102422)
451120.50	3743330.30	10.91476	(12101603)	451087.70	3743367.90	9.57423	(12040423)
451077.10	3743380.00	9.22274	(12061002)	451111.10	3743380.20	9.27616	(12060902)
451161.10	3743380.40	9.15916	(12060902)	451211.10	3743380.70	8.89053	(12060902)
451261.10	3743380.90	8.61965	(12060902)	451311.10	3743381.20	8.34241	(12060902)
451361.10	3743381.40	8.06851	(12060902)	451411.10	3743381.70	7.79549	(12060902)
451461.10	3743381.90	7.53596	(12060902)	451511.10	3743382.20	7.28214	(12060902)
451561.10	3743382.50	7.02650	(12060902)	451611.10	3743382.70	6.76230	(12060902)
451661.10	3743383.00	6.54303	(12110605)	451711.10	3743383.20	6.65611	(12032623)
451748.70	3743383.40	6.78850	(12010307)	451761.10	3743383.30	6.84111	(12032203)
451811.00	3743382.90	7.06353	(12120804)	451861.00	3743382.40	7.39518	(12122124)
451911.00	3743382.00	7.74397	(12031422)	451961.00	3743381.60	8.12996	(12100505)
452011.00	3743381.10	8.52806	(12020907)	452061.00	3743380.70	8.88567	(12031402)
452111.00	3743380.30	9.22446	(12040923)	452161.00	3743379.90	9.53404	(12100702)
452211.00	3743379.40	9.82475	(12051003)	452261.00	3743379.00	10.09080	(12051003)
452311.00	3743378.60	10.28094	(12051003)	452330.50	3743378.40	10.38276	(12011105)
452352.60	3743357.40	11.28606	(12102902)	452388.80	3743322.90	12.29365	(12121519)
452425.10	3743288.40	12.53110	(12101201)	452461.30	3743254.00	11.68574	(12052105)
452548.20	3743228.80	9.93946	(12012921)	452525.50	3743218.40	9.97755	(12030824)
452502.80	3743207.90	9.97109	(12112702)	452480.10	3743197.50	9.95680	(12112702)
452457.30	3743187.00	9.93070	(12010107)	452434.60	3743176.60	9.89627	(12053003)
452411.90	3743166.20	9.84846	(12053003)	452389.20	3743155.70	9.79872	(12030924)
452366.50	3743145.30	9.75936	(12030924)	452343.80	3743134.80	9.68012	(12012219)
452321.00	3743124.40	9.64765	(12012219)	452298.30	3743114.00	9.58661	(12050601)
452275.60	3743103.50	9.51970	(12051001)	452252.90	3743093.10	9.44177	(12051001)
452230.20	3743082.60	9.31582	(12051001)	452207.50	3743072.20	9.23357	(12092102)
452184.70	3743061.80	9.21440	(12120624)	452162.00	3743051.30	9.15988	(12120624)
452139.30	3743040.90	9.07976	(12101504)	452116.60	3743030.40	8.95992	(12101504)
452093.90	3743020.00	8.91373	(12041802)	452071.20	3743009.60	8.81558	(12061124)
452048.50	3742999.10	8.74014	(12061124)	452025.70	3742988.70	8.65718	(12111403)
452003.00	3742978.20	8.56568	(12020404)	451980.30	3742967.80	8.48006	(12022222)
451957.60	3742957.40	8.38980	(12111901)	451934.90	3742946.90	8.29941	(12040403)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451912.20	3742936.50	8.21217	(12011005)	451889.40	3742926.00	8.11293	(12062903)
451866.70	3742915.60	8.03484	(12110324)	451844.00	3742905.20	7.94681	(12101403)
451821.30	3742894.70	7.85651	(12110220)	451798.60	3742884.30	7.76414	(12123103)
451775.90	3742873.80	7.68022	(12020924)	451753.10	3742863.40	7.58820	(12102904)
451730.40	3742853.00	7.48500	(12070704)	451707.70	3742842.50	7.35257	(12040502)
451685.00	3742832.10	7.16987	(12010221)	451662.30	3742821.60	6.90591	(12103023)
451639.60	3742811.20	6.61838	(12053005)	451616.80	3742800.80	6.46582	(12042004)
451594.10	3742790.30	6.54906	(12013001)	451571.40	3742779.90	6.64366	(12011002)
451548.70	3742769.50	6.70984	(12051705)	451542.50	3742766.60	6.72118	(12062405)
451529.30	3742779.10	7.03999	(12103103)	451511.10	3742796.20	7.53318	(12112622)
451492.90	3742813.40	8.04668	(12102906)	451474.70	3742830.60	8.51191	(12123020)
451456.60	3742847.70	8.87914	(12010523)	451438.40	3742864.90	9.13871	(12100705)
451420.20	3742882.00	9.30973	(12011905)	451402.00	3742899.20	9.46080	(12110604)
451383.90	3742916.40	9.57880	(12010506)	451365.70	3742933.50	9.64760	(12052302)
451347.50	3742950.70	9.77480	(12010607)	451329.30	3742967.90	9.85623	(12022207)
451311.10	3742985.00	9.93830	(12122122)	451306.50	3742989.40	9.95412	(12030502)
451294.80	3743003.90	10.02762	(12030502)	451279.00	3743023.30	10.14349	(12120924)
451263.30	3743042.70	10.24386	(12052701)	451247.50	3743062.10	10.32030	(12010101)
451231.80	3743081.50	10.37661	(12110724)	451216.00	3743100.90	10.45677	(12110724)
451200.30	3743120.30	10.50694	(12103005)	451184.50	3743139.80	10.58543	(12103005)
451168.80	3743159.20	10.61372	(12110322)	451153.00	3743178.60	10.68850	(12110322)
451137.30	3743198.00	10.72530	(12100724)	451121.50	3743217.40	10.67550	(12100724)
451105.80	3743236.80	10.55854	(12060623)	451090.00	3743256.20	10.65683	(12060623)
451074.30	3743275.70	10.53366	(12102421)	451058.50	3743295.10	10.38163	(12102422)
451042.80	3743314.50	10.09004	(12022302)	451027.00	3743333.90	9.70783	(12011406)
451011.30	3743353.30	9.25829	(12101603)	450995.50	3743372.70	8.83536	(12100424)
450979.80	3743392.20	8.40068	(12040423)	450964.00	3743411.60	8.01452	(12061002)
450948.30	3743431.00	7.63617	(12061002)	450942.40	3743438.20	7.48318	(12061002)
450958.10	3743438.10	7.56289	(12060902)	450983.10	3743437.90	7.69476	(12060902)
451008.10	3743437.70	7.76532	(12060902)	451033.10	3743437.50	7.84103	(12122204)
451058.10	3743437.30	7.87703	(12112201)	451083.10	3743437.10	7.88902	(12042902)
451108.10	3743436.80	7.86581	(12060603)	451133.10	3743436.60	7.80866	(12011004)
451158.10	3743436.40	7.72850	(12063004)	451183.10	3743436.20	7.63653	(12040723)
451208.10	3743436.00	7.53832	(12071801)	451233.10	3743435.80	7.43714	(12062504)
451258.10	3743435.60	7.33339	(12041224)	451283.10	3743435.40	7.22707	(12062502)
451308.10	3743435.20	7.12204	(12041423)	451333.10	3743435.00	7.01709	(12052924)
451358.10	3743434.80	6.91427	(12060301)	451383.10	3743434.60	6.81494	(12042824)
451408.10	3743434.40	6.72177	(12030522)	451433.10	3743434.20	6.63519	(12100823)
451458.10	3743434.00	6.55669	(12101323)	451483.10	3743433.80	6.48794	(12050522)
451508.10	3743433.60	6.42981	(12011803)	451533.10	3743433.40	6.37631	(12032102)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451558.10	3743433.20	6.35008	(12062101)	451583.10	3743433.00	6.33375	(12011021)
451608.10	3743432.80	6.33519	(12013003)	451633.10	3743432.60	6.34410	(12020806)
451658.10	3743432.40	6.36379	(12062523)	451683.10	3743432.10	6.40151	(12021022)
451708.10	3743431.90	6.44645	(12040422)	451733.10	3743431.70	6.50755	(12032623)
451758.10	3743431.50	6.56939	(12010307)	451783.10	3743431.30	6.65697	(12032203)
451808.10	3743431.10	6.74543	(12012422)	451833.10	3743430.90	6.79427	(12012422)
451858.10	3743430.70	6.92848	(12120804)	451883.10	3743430.50	7.06489	(12120804)
451908.10	3743430.30	7.17754	(12122124)	451933.10	3743430.10	7.30856	(12051702)
451958.10	3743429.90	7.43585	(12040722)	451983.10	3743429.70	7.56046	(12031422)
452008.10	3743429.50	7.70122	(12031422)	452033.10	3743429.30	7.83344	(12112504)
452058.10	3743429.10	7.95798	(12071505)	452083.10	3743428.90	8.07388	(12101104)
452108.10	3743428.70	8.18365	(12101104)	452133.10	3743428.50	8.29346	(12020907)
452158.10	3743428.30	8.39824	(12051924)	452183.10	3743428.10	8.49712	(12031402)
452208.10	3743427.90	8.57643	(12031402)	452233.10	3743427.70	8.66765	(12040923)
452258.10	3743427.50	8.77032	(12040923)	452283.10	3743427.20	8.85601	(12011503)
452308.10	3743427.00	8.92850	(12011503)	452333.10	3743426.80	9.00813	(12100702)
452358.10	3743426.60	9.07165	(12100702)	452362.10	3743426.60	9.07845	(12100702)
452360.40	3743423.30	9.15615	(12051003)	452372.40	3743410.90	9.53187	(12051003)
452389.70	3743392.90	10.07308	(12011105)	452407.10	3743374.90	10.72352	(12040222)
452424.50	3743356.90	11.20253	(12112001)	452441.80	3743339.00	11.51453	(12121519)
452459.20	3743321.00	11.78424	(12121519)	452476.60	3743303.00	11.75802	(12010620)
452493.90	3743285.00	11.56975	(12010321)	452511.30	3743267.00	11.13467	(12110602)
452528.70	3743249.00	10.52506	(12052105)	452546.00	3743231.00	10.00584	(12012921)
452719.50	3743202.20	7.92786	(12030824)	452628.70	3743160.40	8.09000	(12053003)
452537.80	3743118.60	8.05142	(12012219)	452447.00	3743076.80	7.99534	(12051001)
452356.10	3743035.00	7.83493	(12120624)	452265.30	3742993.20	7.68552	(12041802)
452174.40	3742951.50	7.54737	(12011001)	452083.60	3742909.70	7.34982	(12010624)
451992.70	3742867.90	7.14248	(12062903)	451901.90	3742826.10	6.92644	(12123103)
451811.00	3742784.30	6.66908	(12070704)	451720.20	3742742.50	6.20135	(12103023)
451629.30	3742700.70	5.70013	(12010122)	451538.50	3742658.90	5.59588	(12040324)
451494.30	3742638.60	5.56456	(12112501)	451460.50	3742677.30	6.04603	(12101402)
451394.80	3742752.70	7.23165	(12103004)	451329.10	3742828.10	8.17769	(12010507)

451263.40	3742903.50	8.62341	(12052302)	451197.70	3742978.90	9.00969	(12030502)
451132.00	3743054.20	9.22973	(12010101)	451066.30	3743129.60	9.32471	(12103005)
451000.60	3743205.00	9.27453	(12100724)	450934.90	3743280.40	8.86788	(12102421)
450869.20	3743355.80	7.96582	(12011406)	450803.50	3743431.20	6.93475	(12040423)
450737.80	3743506.50	6.04736	(12061002)	450703.10	3743546.30	5.67346	(12060902)
450750.40	3743545.80	5.83540	(12060902)	450850.40	3743544.80	6.09630	(12112201)
450950.30	3743543.90	6.28399	(12060603)	451050.30	3743542.90	6.33469	(12071801)
451150.30	3743541.90	6.22225	(12062502)	451250.30	3743540.90	6.04328	(12060301)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451350.30	3743539.90	5.86204	(12121120)	451450.30	3743538.90	5.71398	(12020405)
451550.30	3743537.90	5.63778	(12062101)	451650.30	3743537.00	5.65467	(12120902)
451750.30	3743536.00	5.74930	(12032623)	451850.30	3743535.00	5.94060	(12012422)
451950.30	3743534.00	6.17620	(12120804)	452050.30	3743533.00	6.44534	(12051702)
452150.30	3743532.00	6.70595	(12112504)	452250.30	3743531.00	6.93188	(12101104)
452350.30	3743530.00	7.10477	(12031402)	452395.30	3743529.60	7.13312	(12031402)
452433.50	3743491.40	7.82223	(12011503)	452434.20	3743490.70	7.83432	(12011503)
452504.50	3743419.60	9.30155	(12011105)	452574.80	3743348.50	10.06073	(12121519)
452645.10	3743277.40	9.32827	(12110602)	452715.40	3743206.30	8.00520	(12030824)
453238.90	3743099.60	4.84013	(12053003)	453170.50	3743068.70	4.97388	(12030924)
453102.20	3743037.90	5.06468	(12012219)	453033.80	3743007.00	5.15042	(12050601)
452965.50	3742976.20	5.17203	(12051001)	452897.10	3742945.30	5.16658	(12092102)
452828.70	3742914.50	5.23713	(12120624)	452760.40	3742883.60	5.23317	(12101504)
452692.00	3742852.80	5.23448	(12041802)	452623.60	3742821.90	5.22026	(12061124)
452555.30	3742791.10	5.19212	(12020404)	452486.90	3742760.20	5.16616	(12022222)
452418.60	3742729.40	5.13071	(12040403)	452350.20	3742698.50	5.08720	(12020922)
452281.80	3742667.70	5.03708	(12022224)	452213.50	3742636.80	4.98191	(12110220)
452145.10	3742606.00	4.91661	(12010420)	452076.80	3742575.10	4.84024	(12070705)
452008.40	3742544.30	4.74438	(12012920)	451940.00	3742513.40	4.62303	(12092602)
451871.70	3742482.60	4.48605	(12050903)	451803.30	3742451.70	4.34014	(12101605)
451735.00	3742420.90	4.20637	(12020524)	451666.60	3742390.00	4.09174	(12011024)
451598.20	3742359.20	4.00904	(12022221)	451529.90	3742328.30	3.93499	(12112506)
451461.50	3742297.50	3.86827	(12122105)	451393.10	3742266.60	3.80561	(12040324)
451360.50	3742251.90	3.77500	(12100703)	451336.90	3742283.20	3.88884	(12013001)
451291.80	3742343.10	4.13758	(12090203)	451246.70	3742403.00	4.42608	(12102724)
451201.60	3742462.90	4.74769	(12101703)	451156.50	3742522.80	5.10688	(12091706)
451111.30	3742582.70	5.46120	(12011102)	451066.20	3742642.70	5.78985	(12012019)
451021.10	3742702.60	6.06080	(12011905)	450976.00	3742762.50	6.29072	(12052302)
450930.90	3742822.40	6.46905	(12010607)	450885.70	3742882.30	6.61432	(12030502)
450840.60	3742942.20	6.70790	(12052701)	450795.50	3743002.10	6.74057	(12010101)
450750.40	3743062.00	6.76289	(12103005)	450705.30	3743121.90	6.73627	(12110322)
450660.10	3743181.80	6.63082	(12100724)	450615.00	3743241.80	6.34718	(12060623)
450569.90	3743301.70	6.15511	(12102421)	450524.80	3743361.60	5.81845	(12022302)
450479.70	3743421.50	5.47614	(12011406)	450434.50	3743481.40	5.06500	(12100424)
450389.40	3743541.30	4.80935	(12040423)	450344.30	3743601.20	4.47924	(12061002)
450299.20	3743661.10	4.21121	(12061002)	450254.10	3743721.00	3.93854	(12080922)
450208.90	3743781.00	3.77778	(12060902)	450163.80	3743840.90	3.53424	(12101701)
450153.70	3743854.30	3.50114	(12122204)	450211.90	3743853.40	3.61433	(12122204)
450286.90	3743852.30	3.71111	(12112201)	450361.90	3743851.10	3.80314	(12112121)
450436.80	3743850.00	3.89404	(12042902)	450511.80	3743848.80	3.98114	(12060603)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
450586.80	3743847.70	4.05766	(12011004)	450661.80	3743846.50	4.11872	(12063004)
450736.80	3743845.40	4.18762	(12101705)	450811.80	3743844.20	4.23188	(12041224)
450886.80	3743843.10	4.25990	(12062502)	450961.80	3743841.90	4.26646	(12052924)
451036.80	3743840.80	4.26118	(12060301)	451111.80	3743839.70	4.24386	(12042824)
451186.80	3743838.50	4.22037	(12070202)	451261.70	3743837.40	4.19642	(12072601)
451336.70	3743836.20	4.17420	(12050522)	451411.70	3743835.10	4.15809	(12042722)
451486.70	3743833.90	4.14324	(12032102)	451561.70	3743832.80	4.14815	(12030923)
451636.70	3743831.60	4.16189	(12020806)	451711.70	3743830.50	4.17483	(12110605)
451786.70	3743829.30	4.21939	(12040422)	451861.70	3743828.20	4.26030	(12032623)
451936.70	3743827.00	4.31226	(12010307)	452011.70	3743825.90	4.36508	(12012422)
452086.60	3743824.70	4.35156	(12102920)	452161.60	3743823.60	4.49268	(12120804)
452236.60	3743822.50	4.55205	(12122124)	452311.60	3743821.30	4.60038	(12040722)
452386.60	3743820.20	4.65197	(12031422)	452461.60	3743819.00	4.69085	(12112504)
452536.60	3743817.90	4.73063	(12100505)	452540.80	3743817.80	4.73230	(12100505)
452590.10	3743767.00	5.00975	(12020907)	452642.40	3743713.30	5.39562	(12031402)
452694.70	3743659.50	5.80013	(12011503)	452747.00	3743605.70	6.20206	(12051003)

452799.20	3743551.90	6.50946	(12011105)	452851.50	3743498.10	6.70601	(12112001)
452903.80	3743444.40	6.65038	(12121519)	452956.10	3743390.60	6.59481	(12010620)
453008.30	3743336.80	6.26630	(12103120)	453060.60	3743283.00	6.00412	(12052105)
453112.90	3743229.20	5.62139	(12012921)	453165.20	3743175.50	5.29438	(12112702)
453217.40	3743121.70	4.96867	(12053003)				

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451808.80	3743414.00	6.87364	(12012422)	451611.10	3743386.10	6.66920	(12122204)
451395.10	3743364.60	8.48311	(12061002)	451274.70	3743360.30	9.33686	(12061002)
451170.50	3743172.20	10.81509	(12110322)	451376.80	3742977.70	10.30734	(12022207)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	12.81951	ON 12010321: AT (452392.30, 3743276.60, 0.00, 0.00, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1916 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 3 Calm Hours Identified

A Total of 468 Missing Hours Identified (5.33 Percent)

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

******** WARNING MESSAGES ********
*** NONE ***

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

ATTACHMENT E

AERMOD – TOTAL PM10 LST

```
1                    AERMOD PRIME - (DATED  19191)

                   AERMODPrMSPx VERSION
             (C) COPYRIGHT 1998-2017, Trinity Consultants

 Run Began on  4/28/2021 at 18:45:23

** BREEZE AERMOD
** Trinity Consultants
** VERSION  9.0

CO STARTING
CO TITLEONE  Latitude PM10 Total Construction Emissions
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  24
CO POLLUTID  PM10
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  JUVEM000  AREAPOLY  451194.7  3743326.2  0
** SRCDESCR  Area Source
SO SRCPARAM  JUVEM000  1.41E-08  3  12  1
SO AREAVERT  JUVEM000  451194.7 3743326.2  451286 3743218.4  451430.7 3743063.6  451550 3742958.3
SO AREAVERT  JUVEM000  451603.3 3742907.5  452369.7 3743256.5  452379.8 3743272.9  452313.9 3743333.9
SO AREAVERT  JUVEM000  451958.6 3743342.7  451558.8 3743328.8  451558.8 3743328.8  451194.7 3743326.2
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE GRIDCART RLPS4001 STA
RE GRIDCART RLPS4001 XYINC  450567.8  21  121.5  3744266.3  21  -119.3
RE GRIDCART RLPS4001 ELEV  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  3  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  5  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  6  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  7  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  8  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  9  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  10  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  11  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  12  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  13  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  14  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  15  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  16  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  17  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  18  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  19  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  20  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 ELEV  21  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  2  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  3  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  5  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  6  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  7  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  8  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  9  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  10  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  11  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  12  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  13  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  14  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  15  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  16  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  17  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  18  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  19  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  20  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 HILL  21  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
RE GRIDCART RLPS4001 END
RE DISCCART  451808.8  3743414  0  0
** SENSITIV
** RCPDESCR  R1
RE DISCCART  451611.1  3743386.1  0  0
** SENSITIV
** RCPDESCR  R2
RE DISCCART  451395.1  3743364.6  0  0
** SENSITIV
** RCPDESCR  R3
RE DISCCART  451274.7  3743360.3  0  0
** SENSITIV
** RCPDESCR  R4
RE DISCCART  451170.5  3743172.2  0  0
** SENSITIV
** RCPDESCR  R5
```

```
RE DISCCART  451376.8  3742977.7  0  0
** SENSITIV
** RCPDESCR  R6
** BOUNDARY  25M
RE DISCCART  452418.6  3743245.4  0  0
RE DISCCART  452373.0  3743225.0  0  0
RE DISCCART  452327.3  3743204.5  0  0
RE DISCCART  452281.7  3743184.1  0  0
RE DISCCART  452236.1  3743163.7  0  0
RE DISCCART  452190.4  3743143.3  0  0
RE DISCCART  452144.8  3743122.8  0  0
RE DISCCART  452099.1  3743102.4  0  0
RE DISCCART  452053.5  3743082.0  0  0
RE DISCCART  452007.9  3743061.5  0  0
RE DISCCART  451962.2  3743041.1  0  0
RE DISCCART  451916.6  3743020.7  0  0
RE DISCCART  451871.0  3743000.2  0  0
RE DISCCART  451825.3  3742979.8  0  0
RE DISCCART  451779.7  3742959.4  0  0
RE DISCCART  451734.1  3742939.0  0  0
RE DISCCART  451688.4  3742918.5  0  0
RE DISCCART  451642.8  3742898.1  0  0
RE DISCCART  451597.2  3742877.7  0  0
RE DISCCART  451594.1  3742876.3  0  0
RE DISCCART  451559.4  3742907.5  0  0
RE DISCCART  451522.3  3742941.0  0  0
RE DISCCART  451485.1  3742974.4  0  0
RE DISCCART  451447.9  3743007.8  0  0
RE DISCCART  451411.2  3743040.9  0  0
RE DISCCART  451410.8  3743041.3  0  0
RE DISCCART  451378.1  3743079.1  0  0
RE DISCCART  451345.3  3743116.9  0  0
RE DISCCART  451312.6  3743154.7  0  0
RE DISCCART  451279.8  3743192.5  0  0
RE DISCCART  451247.1  3743230.3  0  0
RE DISCCART  451214.3  3743268.0  0  0
RE DISCCART  451181.6  3743305.8  0  0
RE DISCCART  451148.8  3743343.6  0  0
RE DISCCART  451140.3  3743353.4  0  0
RE DISCCART  451177.3  3743353.8  0  0
RE DISCCART  451227.3  3743354.4  0  0
RE DISCCART  451277.3  3743354.9  0  0
RE DISCCART  451327.3  3743355.5  0  0
RE DISCCART  451377.3  3743356.0  0  0
RE DISCCART  451427.3  3743356.6  0  0
RE DISCCART  451477.3  3743357.1  0  0
RE DISCCART  451527.3  3743357.7  0  0
RE DISCCART  451577.3  3743358.2  0  0
RE DISCCART  451594.1  3743358.4  0  0
RE DISCCART  451627.3  3743358.1  0  0
RE DISCCART  451677.3  3743357.7  0  0
RE DISCCART  451727.3  3743357.2  0  0
RE DISCCART  451777.3  3743356.8  0  0
RE DISCCART  451827.3  3743356.3  0  0
RE DISCCART  451877.3  3743355.9  0  0
RE DISCCART  451927.3  3743355.4  0  0
RE DISCCART  451977.3  3743355.0  0  0
RE DISCCART  452027.3  3743354.5  0  0
RE DISCCART  452077.3  3743354.1  0  0
RE DISCCART  452127.3  3743353.6  0  0
RE DISCCART  452177.3  3743353.2  0  0
RE DISCCART  452227.3  3743352.7  0  0
RE DISCCART  452277.3  3743352.3  0  0
RE DISCCART  452327.3  3743351.8  0  0
RE DISCCART  452328.8  3743351.8  0  0
RE DISCCART  452360.1  3743314.8  0  0
RE DISCCART  452392.3  3743276.6  0  0
** BOUNDARY  50M
RE DISCCART  452466.8  3743248.7  0  0
RE DISCCART  452421.4  3743227.8  0  0
RE DISCCART  452375.9  3743207.0  0  0
RE DISCCART  452330.5  3743186.1  0  0
RE DISCCART  452285.0  3743165.3  0  0
RE DISCCART  452239.6  3743144.4  0  0
RE DISCCART  452194.1  3743123.6  0  0
RE DISCCART  452148.7  3743102.7  0  0
RE DISCCART  452103.3  3743081.9  0  0
RE DISCCART  452057.8  3743061.0  0  0
RE DISCCART  452012.4  3743040.2  0  0
RE DISCCART  451966.9  3743019.3  0  0
RE DISCCART  451921.5  3742998.4  0  0
RE DISCCART  451876.0  3742977.6  0  0
RE DISCCART  451830.6  3742956.7  0  0
RE DISCCART  451785.2  3742935.9  0  0
RE DISCCART  451739.7  3742915.0  0  0
RE DISCCART  451694.3  3742894.2  0  0
RE DISCCART  451648.8  3742873.3  0  0
RE DISCCART  451603.4  3742852.5  0  0
RE DISCCART  451575.8  3742839.8  0  0
RE DISCCART  451561.8  3742853.6  0  0
RE DISCCART  451526.1  3742888.6  0  0
RE DISCCART  451490.5  3742923.7  0  0
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```
RE DISCCART  451454.8  3742958.7  0  0
RE DISCCART  451419.1  3742993.7  0  0
RE DISCCART  451386.3  3743026.0  0  0
RE DISCCART  451383.7  3743029.0  0  0
RE DISCCART  451350.8  3743066.7  0  0
RE DISCCART  451317.9  3743104.3  0  0
RE DISCCART  451285.0  3743142.0  0  0
RE DISCCART  451252.1  3743179.6  0  0
RE DISCCART  451219.2  3743217.3  0  0
RE DISCCART  451186.3  3743254.9  0  0
RE DISCCART  451153.4  3743292.6  0  0
RE DISCCART  451120.5  3743330.3  0  0
RE DISCCART  451087.7  3743367.9  0  0
RE DISCCART  451077.1  3743380.0  0  0
RE DISCCART  451111.1  3743380.2  0  0
RE DISCCART  451161.1  3743380.4  0  0
RE DISCCART  451211.1  3743380.7  0  0
RE DISCCART  451261.1  3743380.9  0  0
RE DISCCART  451311.1  3743381.2  0  0
RE DISCCART  451361.1  3743381.4  0  0
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RE DISCCART  451461.1  3743381.9  0  0
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RE DISCCART  451611.1  3743382.7  0  0
RE DISCCART  451661.1  3743383.0  0  0
RE DISCCART  451711.1  3743383.2  0  0
RE DISCCART  451748.7  3743383.4  0  0
RE DISCCART  451761.1  3743383.3  0  0
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RE DISCCART  451911.0  3743382.0  0  0
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RE DISCCART  452061.0  3743380.7  0  0
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RE DISCCART  452161.0  3743379.9  0  0
RE DISCCART  452211.0  3743379.4  0  0
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RE DISCCART  452311.0  3743378.6  0  0
RE DISCCART  452330.5  3743378.4  0  0
RE DISCCART  452352.6  3743357.4  0  0
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RE DISCCART  452461.3  3743254.0  0  0
** BOUNDARY  100M
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RE DISCCART  452525.5  3743218.4  0  0
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RE DISCCART  451542.5  3742766.6  0  0
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** BOUNDARY  200M
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** BOUNDARY  500M
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RE DISCCART  452956.1  3743390.6  0  0
RE DISCCART  453008.3  3743336.8  0  0
RE DISCCART  453060.6  3743283.0  0  0
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RE DISCCART  453165.2  3743175.5  0  0
RE DISCCART  453217.4  3743121.7  0  0
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\RYAN~1.DES\OneDrive\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.SFC"
** SURFFILE  "C:\Users\RYAN~1.DES\OneDrive\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.SFC"
ME PROFFILE  "C:\Users\RYAN~1.DES\OneDrive\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.PFL"
** PROFFILE  "C:\Users\RYAN~1.DES\OneDrive\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.PFL"
ME SURFDATA  0 2008
ME UAIRDATA  3190 2008
ME SITEDATA  00099999 2008
ME PROFBASE  0  METERS
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ME STARTEND  2012  1  1  1  2012  12  31  24
ME FINISHED

OU STARTING
OU RECTABLE  24  FIRST
OU FILEFORM  FIX
OU PLOTFILE  24  ALL  FIRST  ALL`24`FIRST.plt  10000
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["G
reenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]
]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE UserDefined
** AERMODEXE  AERMOD_BREEZE_19191_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE


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

↟ *** AERMOD - VERSION  19191 ***   ***  Latitude PM10 Total Construction Emissions                        ***        04/28/21
 *** AERMET - VERSION  14134 ***   ***                                                                    ***       18:45:23
                                                                                                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL

                                        ***     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 RURAL Dispersion Only.

 **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.

 **Other Options Specified:
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM10

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:      1 Source(s);       1 Source Group(s); and     888 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      0 VOLUME source(s)
                and:      1 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      0 line(s)
```

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) =   0.00 ; 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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
JUVEM000	0	0.14100E-07	451194.7	3743326.2	0.0	3.00	12	1.00	NO	

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	JUVEM000 ,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

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

450567.8, 450689.3, 450810.8, 450932.3, 451053.8, 451175.3, 451296.8, 451418.3, 451539.8, 451661.3,
451782.8, 451904.3, 452025.8, 452147.3, 452268.8, 452390.3, 452511.8, 452633.3, 452754.8, 452876.3,
452997.8,

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

3744266.3, 3744147.0, 3744027.7, 3743908.4, 3743789.1, 3743669.8, 3743550.5, 3743431.2, 3743311.9, 3743192.6,
3743073.3, 3742954.0, 3742834.7, 3742715.4, 3742596.1, 3742476.8, 3742357.5, 3742238.2, 3742118.9, 3741999.6,
3741880.3,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 452754.80	452876.30	452997.80
3741880.30	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80	451175.30	451296.80	451418.30	451539.80

Y-COORD (METERS)									
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	451661.30	451782.80	451904.30	452025.80	452147.30	452268.80	452390.30	452511.80	452633.30
3741880.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	452754.80	452876.30	452997.80
3741880.30	0.00	0.00	0.00
3741999.60	0.00	0.00	0.00
3742118.90	0.00	0.00	0.00
3742238.20	0.00	0.00	0.00
3742357.50	0.00	0.00	0.00
3742476.80	0.00	0.00	0.00
3742596.10	0.00	0.00	0.00
3742715.40	0.00	0.00	0.00
3742834.70	0.00	0.00	0.00
3742954.00	0.00	0.00	0.00
3743073.30	0.00	0.00	0.00
3743192.60	0.00	0.00	0.00
3743311.90	0.00	0.00	0.00
3743431.20	0.00	0.00	0.00
3743550.50	0.00	0.00	0.00
3743669.80	0.00	0.00	0.00
3743789.10	0.00	0.00	0.00
3743908.40	0.00	0.00	0.00
3744027.70	0.00	0.00	0.00
3744147.00	0.00	0.00	0.00
3744266.30	0.00	0.00	0.00

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(452418.6, 3743245.4,	0.0,	0.0,	0.0);	(452373.0, 3743225.0,	0.0,	0.0,	0.0);
(452327.3, 3743204.5,	0.0,	0.0,	0.0);	(452281.7, 3743184.1,	0.0,	0.0,	0.0);
(452236.1, 3743163.7,	0.0,	0.0,	0.0);	(452190.4, 3743143.3,	0.0,	0.0,	0.0);
(452144.8, 3743122.8,	0.0,	0.0,	0.0);	(452099.1, 3743102.4,	0.0,	0.0,	0.0);
(452053.5, 3743082.0,	0.0,	0.0,	0.0);	(452007.9, 3743061.5,	0.0,	0.0,	0.0);
(451962.2, 3743041.1,	0.0,	0.0,	0.0);	(451916.6, 3743020.7,	0.0,	0.0,	0.0);
(451871.0, 3743000.2,	0.0,	0.0,	0.0);	(451825.3, 3742979.8,	0.0,	0.0,	0.0);
(451779.7, 3742959.4,	0.0,	0.0,	0.0);	(451734.1, 3742939.0,	0.0,	0.0,	0.0);
(451688.4, 3742918.5,	0.0,	0.0,	0.0);	(451642.8, 3742898.1,	0.0,	0.0,	0.0);
(451597.2, 3742877.7,	0.0,	0.0,	0.0);	(451594.1, 3742876.3,	0.0,	0.0,	0.0);
(451559.4, 3742907.5,	0.0,	0.0,	0.0);	(451522.3, 3742941.0,	0.0,	0.0,	0.0);
(451485.1, 3742974.4,	0.0,	0.0,	0.0);	(451447.9, 3743007.8,	0.0,	0.0,	0.0);
(451411.2, 3743040.9,	0.0,	0.0,	0.0);	(451410.8, 3743041.3,	0.0,	0.0,	0.0);
(451378.1, 3743079.1,	0.0,	0.0,	0.0);	(451345.3, 3743116.9,	0.0,	0.0,	0.0);
(451312.6, 3743154.7,	0.0,	0.0,	0.0);	(451279.8, 3743192.5,	0.0,	0.0,	0.0);
(451247.1, 3743230.3,	0.0,	0.0,	0.0);	(451214.3, 3743268.0,	0.0,	0.0,	0.0);
(451181.6, 3743305.8,	0.0,	0.0,	0.0);	(451148.8, 3743343.6,	0.0,	0.0,	0.0);
(451140.3, 3743353.4,	0.0,	0.0,	0.0);	(451177.3, 3743353.8,	0.0,	0.0,	0.0);
(451227.3, 3743354.4,	0.0,	0.0,	0.0);	(451277.3, 3743354.9,	0.0,	0.0,	0.0);
(451327.3, 3743355.5,	0.0,	0.0,	0.0);	(451377.3, 3743356.0,	0.0,	0.0,	0.0);
(451427.3, 3743356.6,	0.0,	0.0,	0.0);	(451477.3, 3743357.1,	0.0,	0.0,	0.0);
(451527.3, 3743357.7,	0.0,	0.0,	0.0);	(451577.3, 3743358.2,	0.0,	0.0,	0.0);
(451594.1, 3743358.4,	0.0,	0.0,	0.0);	(451627.3, 3743358.1,	0.0,	0.0,	0.0);
(451677.3, 3743357.7,	0.0,	0.0,	0.0);	(451727.3, 3743357.2,	0.0,	0.0,	0.0);
(451777.3, 3743356.8,	0.0,	0.0,	0.0);	(451827.3, 3743356.3,	0.0,	0.0,	0.0);
(451877.3, 3743355.9,	0.0,	0.0,	0.0);	(451927.3, 3743355.4,	0.0,	0.0,	0.0);
(451977.3, 3743355.0,	0.0,	0.0,	0.0);	(452027.3, 3743354.5,	0.0,	0.0,	0.0);
(452077.3, 3743354.1,	0.0,	0.0,	0.0);	(452127.3, 3743353.6,	0.0,	0.0,	0.0);
(452177.3, 3743353.2,	0.0,	0.0,	0.0);	(452227.3, 3743352.7,	0.0,	0.0,	0.0);
(452277.3, 3743352.3,	0.0,	0.0,	0.0);	(452327.3, 3743351.8,	0.0,	0.0,	0.0);
(452328.8, 3743351.8,	0.0,	0.0,	0.0);	(452360.1, 3743314.8,	0.0,	0.0,	0.0);
(452392.3, 3743276.6,	0.0,	0.0,	0.0);	(452466.8, 3743248.7,	0.0,	0.0,	0.0);
(452421.4, 3743227.8,	0.0,	0.0,	0.0);	(452375.9, 3743207.0,	0.0,	0.0,	0.0);
(452330.5, 3743186.1,	0.0,	0.0,	0.0);	(452285.0, 3743165.3,	0.0,	0.0,	0.0);
(452239.6, 3743144.4,	0.0,	0.0,	0.0);	(452194.1, 3743123.6,	0.0,	0.0,	0.0);
(452148.7, 3743102.7,	0.0,	0.0,	0.0);	(452103.3, 3743081.9,	0.0,	0.0,	0.0);
(452057.8, 3743061.0,	0.0,	0.0,	0.0);	(452012.4, 3743040.2,	0.0,	0.0,	0.0);
(451966.9, 3743019.3,	0.0,	0.0,	0.0);	(451921.5, 3742998.4,	0.0,	0.0,	0.0);
(451876.0, 3742977.6,	0.0,	0.0,	0.0);	(451830.6, 3742956.7,	0.0,	0.0,	0.0);
(451785.2, 3742935.9,	0.0,	0.0,	0.0);	(451739.7, 3742915.0,	0.0,	0.0,	0.0);
(451694.3, 3742894.2,	0.0,	0.0,	0.0);	(451648.8, 3742873.3,	0.0,	0.0,	0.0);
(451603.4, 3742852.5,	0.0,	0.0,	0.0);	(451575.8, 3742839.8,	0.0,	0.0,	0.0);
(451561.8, 3742853.6,	0.0,	0.0,	0.0);	(451526.1, 3742888.6,	0.0,	0.0,	0.0);
(451490.5, 3742923.7,	0.0,	0.0,	0.0);	(451454.8, 3742958.7,	0.0,	0.0,	0.0);
(451419.1, 3742993.7,	0.0,	0.0,	0.0);	(451386.3, 3743026.0,	0.0,	0.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(451383.7, 3743029.0,	0.0,	0.0,	0.0);	(451350.8, 3743066.7,	0.0,	0.0,	0.0);
(451317.9, 3743104.3,	0.0,	0.0,	0.0);	(451285.0, 3743142.0,	0.0,	0.0,	0.0);
(451252.1, 3743179.6,	0.0,	0.0,	0.0);	(451219.2, 3743217.3,	0.0,	0.0,	0.0);
(451186.3, 3743254.9,	0.0,	0.0,	0.0);	(451153.4, 3743292.6,	0.0,	0.0,	0.0);
(451120.5, 3743330.3,	0.0,	0.0,	0.0);	(451087.7, 3743367.9,	0.0,	0.0,	0.0);
(451077.1, 3743380.0,	0.0,	0.0,	0.0);	(451111.1, 3743380.2,	0.0,	0.0,	0.0);
(451161.1, 3743380.4,	0.0,	0.0,	0.0);	(451211.1, 3743380.7,	0.0,	0.0,	0.0);
(451261.1, 3743380.9,	0.0,	0.0,	0.0);	(451311.1, 3743381.2,	0.0,	0.0,	0.0);
(451361.1, 3743381.4,	0.0,	0.0,	0.0);	(451411.1, 3743381.7,	0.0,	0.0,	0.0);
(451461.1, 3743381.9,	0.0,	0.0,	0.0);	(451511.1, 3743382.2,	0.0,	0.0,	0.0);
(451561.1, 3743382.5,	0.0,	0.0,	0.0);	(451611.1, 3743382.7,	0.0,	0.0,	0.0);
(451661.1, 3743383.0,	0.0,	0.0,	0.0);	(451711.1, 3743383.2,	0.0,	0.0,	0.0);
(451748.7, 3743383.4,	0.0,	0.0,	0.0);	(451761.1, 3743383.3,	0.0,	0.0,	0.0);
(451811.0, 3743382.9,	0.0,	0.0,	0.0);	(451861.0, 3743382.4,	0.0,	0.0,	0.0);
(451911.0, 3743382.0,	0.0,	0.0,	0.0);	(451961.0, 3743381.6,	0.0,	0.0,	0.0);
(452011.0, 3743381.1,	0.0,	0.0,	0.0);	(452061.0, 3743380.7,	0.0,	0.0,	0.0);
(452111.0, 3743380.3,	0.0,	0.0,	0.0);	(452161.0, 3743379.9,	0.0,	0.0,	0.0);
(452211.0, 3743379.4,	0.0,	0.0,	0.0);	(452261.0, 3743379.0,	0.0,	0.0,	0.0);
(452311.0, 3743378.6,	0.0,	0.0,	0.0);	(452330.5, 3743378.4,	0.0,	0.0,	0.0);
(452352.6, 3743357.4,	0.0,	0.0,	0.0);	(452388.8, 3743322.9,	0.0,	0.0,	0.0);
(452425.1, 3743288.4,	0.0,	0.0,	0.0);	(452461.3, 3743254.0,	0.0,	0.0,	0.0);
(452548.2, 3743228.8,	0.0,	0.0,	0.0);	(452525.5, 3743218.4,	0.0,	0.0,	0.0);
(452502.8, 3743207.9,	0.0,	0.0,	0.0);	(452480.1, 3743197.5,	0.0,	0.0,	0.0);
(452457.3, 3743187.0,	0.0,	0.0,	0.0);	(452434.6, 3743176.6,	0.0,	0.0,	0.0);
(452411.9, 3743166.2,	0.0,	0.0,	0.0);	(452389.2, 3743155.7,	0.0,	0.0,	0.0);
(452366.5, 3743145.3,	0.0,	0.0,	0.0);	(452343.8, 3743134.8,	0.0,	0.0,	0.0);
(452321.0, 3743124.4,	0.0,	0.0,	0.0);	(452298.3, 3743114.0,	0.0,	0.0,	0.0);
(452275.6, 3743103.5,	0.0,	0.0,	0.0);	(452252.9, 3743093.1,	0.0,	0.0,	0.0);
(452230.2, 3743082.6,	0.0,	0.0,	0.0);	(452207.5, 3743072.2,	0.0,	0.0,	0.0);
(452184.7, 3743061.8,	0.0,	0.0,	0.0);	(452162.0, 3743051.3,	0.0,	0.0,	0.0);

(452139.3, 3743040.9, 0.0, 0.0, 0.0); (452116.6, 3743030.4, 0.0, 0.0, 0.0);
(452093.9, 3743020.0, 0.0, 0.0, 0.0); (452071.2, 3743009.6, 0.0, 0.0, 0.0);
(452048.5, 3742999.1, 0.0, 0.0, 0.0); (452025.7, 3742988.7, 0.0, 0.0, 0.0);
(452003.0, 3742978.2, 0.0, 0.0, 0.0); (451980.3, 3742967.8, 0.0, 0.0, 0.0);
(451957.6, 3742957.4, 0.0, 0.0, 0.0); (451934.9, 3742946.9, 0.0, 0.0, 0.0);
(451912.2, 3742936.5, 0.0, 0.0, 0.0); (451889.4, 3742926.0, 0.0, 0.0, 0.0);
(451866.7, 3742915.6, 0.0, 0.0, 0.0); (451844.0, 3742905.2, 0.0, 0.0, 0.0);
(451821.3, 3742894.7, 0.0, 0.0, 0.0); (451798.6, 3742884.3, 0.0, 0.0, 0.0);
(451775.9, 3742873.8, 0.0, 0.0, 0.0); (451753.1, 3742863.4, 0.0, 0.0, 0.0);
(451730.4, 3742853.0, 0.0, 0.0, 0.0); (451707.7, 3742842.5, 0.0, 0.0, 0.0);
(451685.0, 3742832.1, 0.0, 0.0, 0.0); (451662.3, 3742821.6, 0.0, 0.0, 0.0);
(451639.6, 3742811.2, 0.0, 0.0, 0.0); (451616.8, 3742800.8, 0.0, 0.0, 0.0);
(451594.1, 3742790.3, 0.0, 0.0, 0.0); (451571.4, 3742779.9, 0.0, 0.0, 0.0);
(451548.7, 3742769.5, 0.0, 0.0, 0.0); (451542.5, 3742766.6, 0.0, 0.0, 0.0);
(451529.3, 3742779.1, 0.0, 0.0, 0.0); (451511.1, 3742796.2, 0.0, 0.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(451492.9, 3742813.4, 0.0, 0.0, 0.0); (451474.7, 3742830.6, 0.0, 0.0, 0.0);
(451456.6, 3742847.7, 0.0, 0.0, 0.0); (451438.4, 3742864.9, 0.0, 0.0, 0.0);
(451420.2, 3742882.0, 0.0, 0.0, 0.0); (451402.0, 3742899.2, 0.0, 0.0, 0.0);
(451383.9, 3742916.4, 0.0, 0.0, 0.0); (451365.7, 3742933.5, 0.0, 0.0, 0.0);
(451347.5, 3742950.7, 0.0, 0.0, 0.0); (451329.3, 3742967.9, 0.0, 0.0, 0.0);
(451311.1, 3742985.0, 0.0, 0.0, 0.0); (451306.5, 3742989.4, 0.0, 0.0, 0.0);
(451294.8, 3743003.9, 0.0, 0.0, 0.0); (451279.0, 3743023.3, 0.0, 0.0, 0.0);
(451263.3, 3743042.7, 0.0, 0.0, 0.0); (451247.5, 3743062.1, 0.0, 0.0, 0.0);
(451231.8, 3743081.5, 0.0, 0.0, 0.0); (451216.0, 3743100.9, 0.0, 0.0, 0.0);
(451200.3, 3743120.3, 0.0, 0.0, 0.0); (451184.5, 3743139.8, 0.0, 0.0, 0.0);
(451168.8, 3743159.2, 0.0, 0.0, 0.0); (451153.0, 3743178.6, 0.0, 0.0, 0.0);
(451137.3, 3743198.0, 0.0, 0.0, 0.0); (451121.5, 3743217.4, 0.0, 0.0, 0.0);
(451105.8, 3743236.8, 0.0, 0.0, 0.0); (451090.0, 3743256.2, 0.0, 0.0, 0.0);
(451074.3, 3743275.7, 0.0, 0.0, 0.0); (451058.5, 3743295.1, 0.0, 0.0, 0.0);
(451042.8, 3743314.5, 0.0, 0.0, 0.0); (451027.0, 3743333.9, 0.0, 0.0, 0.0);
(451011.3, 3743353.3, 0.0, 0.0, 0.0); (450995.5, 3743372.7, 0.0, 0.0, 0.0);
(450979.8, 3743392.2, 0.0, 0.0, 0.0); (450964.0, 3743411.6, 0.0, 0.0, 0.0);
(450948.3, 3743431.0, 0.0, 0.0, 0.0); (450942.4, 3743438.2, 0.0, 0.0, 0.0);
(450958.1, 3743438.1, 0.0, 0.0, 0.0); (450983.1, 3743437.9, 0.0, 0.0, 0.0);
(451008.1, 3743437.7, 0.0, 0.0, 0.0); (451033.1, 3743437.5, 0.0, 0.0, 0.0);
(451058.1, 3743437.3, 0.0, 0.0, 0.0); (451083.1, 3743437.1, 0.0, 0.0, 0.0);
(451108.1, 3743436.8, 0.0, 0.0, 0.0); (451133.1, 3743436.6, 0.0, 0.0, 0.0);
(451158.1, 3743436.4, 0.0, 0.0, 0.0); (451183.1, 3743436.2, 0.0, 0.0, 0.0);
(451208.1, 3743436.0, 0.0, 0.0, 0.0); (451233.1, 3743435.8, 0.0, 0.0, 0.0);
(451258.1, 3743435.6, 0.0, 0.0, 0.0); (451283.1, 3743435.4, 0.0, 0.0, 0.0);
(451308.1, 3743435.2, 0.0, 0.0, 0.0); (451333.1, 3743435.0, 0.0, 0.0, 0.0);
(451358.1, 3743434.8, 0.0, 0.0, 0.0); (451383.1, 3743434.6, 0.0, 0.0, 0.0);
(451408.1, 3743434.4, 0.0, 0.0, 0.0); (451433.1, 3743434.2, 0.0, 0.0, 0.0);
(451458.1, 3743434.0, 0.0, 0.0, 0.0); (451483.1, 3743433.8, 0.0, 0.0, 0.0);
(451508.1, 3743433.6, 0.0, 0.0, 0.0); (451533.1, 3743433.4, 0.0, 0.0, 0.0);
(451558.1, 3743433.2, 0.0, 0.0, 0.0); (451583.1, 3743433.0, 0.0, 0.0, 0.0);
(451608.1, 3743432.8, 0.0, 0.0, 0.0); (451633.1, 3743432.6, 0.0, 0.0, 0.0);
(451658.1, 3743432.4, 0.0, 0.0, 0.0); (451683.1, 3743432.1, 0.0, 0.0, 0.0);
(451708.1, 3743431.9, 0.0, 0.0, 0.0); (451733.1, 3743431.7, 0.0, 0.0, 0.0);
(451758.1, 3743431.5, 0.0, 0.0, 0.0); (451783.1, 3743431.3, 0.0, 0.0, 0.0);
(451808.1, 3743431.1, 0.0, 0.0, 0.0); (451833.1, 3743430.9, 0.0, 0.0, 0.0);
(451858.1, 3743430.7, 0.0, 0.0, 0.0); (451883.1, 3743430.5, 0.0, 0.0, 0.0);
(451908.1, 3743430.3, 0.0, 0.0, 0.0); (451933.1, 3743430.1, 0.0, 0.0, 0.0);
(451958.1, 3743429.9, 0.0, 0.0, 0.0); (451983.1, 3743429.7, 0.0, 0.0, 0.0);
(452008.1, 3743429.5, 0.0, 0.0, 0.0); (452033.1, 3743429.3, 0.0, 0.0, 0.0);
(452058.1, 3743429.1, 0.0, 0.0, 0.0); (452083.1, 3743428.9, 0.0, 0.0, 0.0);
(452108.1, 3743428.7, 0.0, 0.0, 0.0); (452133.1, 3743428.5, 0.0, 0.0, 0.0);
(452158.1, 3743428.3, 0.0, 0.0, 0.0); (452183.1, 3743428.1, 0.0, 0.0, 0.0);
(452208.1, 3743427.9, 0.0, 0.0, 0.0); (452233.1, 3743427.7, 0.0, 0.0, 0.0);
(452258.1, 3743427.5, 0.0, 0.0, 0.0); (452283.1, 3743427.2, 0.0, 0.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

(452308.1, 3743427.0, 0.0, 0.0, 0.0); (452333.1, 3743426.8, 0.0, 0.0, 0.0);
(452358.1, 3743426.6, 0.0, 0.0, 0.0); (452362.1, 3743426.6, 0.0, 0.0, 0.0);
(452360.4, 3743423.3, 0.0, 0.0, 0.0); (452372.4, 3743410.9, 0.0, 0.0, 0.0);
(452389.7, 3743392.9, 0.0, 0.0, 0.0); (452407.1, 3743374.9, 0.0, 0.0, 0.0);
(452424.5, 3743356.9, 0.0, 0.0, 0.0); (452441.8, 3743339.0, 0.0, 0.0, 0.0);
(452459.2, 3743321.0, 0.0, 0.0, 0.0); (452476.6, 3743303.0, 0.0, 0.0, 0.0);
(452493.9, 3743285.0, 0.0, 0.0, 0.0); (452511.3, 3743267.0, 0.0, 0.0, 0.0);
(452528.7, 3743249.0, 0.0, 0.0, 0.0); (452546.0, 3743231.0, 0.0, 0.0, 0.0);
(452719.5, 3743202.2, 0.0, 0.0, 0.0); (452628.7, 3743160.4, 0.0, 0.0, 0.0);
(452537.8, 3743118.6, 0.0, 0.0, 0.0); (452447.0, 3743076.8, 0.0, 0.0, 0.0);
(452356.1, 3743035.0, 0.0, 0.0, 0.0); (452265.3, 3742993.2, 0.0, 0.0, 0.0);
(452174.4, 3742951.5, 0.0, 0.0, 0.0); (452083.6, 3742909.7, 0.0, 0.0, 0.0);
(451992.7, 3742867.9, 0.0, 0.0, 0.0); (451901.9, 3742826.1, 0.0, 0.0, 0.0);
(451811.0, 3742784.3, 0.0, 0.0, 0.0); (451720.2, 3742742.5, 0.0, 0.0, 0.0);

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 ( 451629.3, 3742700.7,      0.0,      0.0,      0.0);        ( 451538.5, 3742658.9,      0.0,      0.0,      0.0);
 ( 451494.3, 3742638.6,      0.0,      0.0,      0.0);        ( 451460.5, 3742677.3,      0.0,      0.0,      0.0);
 ( 451394.8, 3742752.7,      0.0,      0.0,      0.0);        ( 451329.1, 3742828.1,      0.0,      0.0,      0.0);
 ( 451263.4, 3742903.5,      0.0,      0.0,      0.0);        ( 451197.7, 3742978.9,      0.0,      0.0,      0.0);
 ( 451132.0, 3743054.2,      0.0,      0.0,      0.0);        ( 451066.3, 3743129.6,      0.0,      0.0,      0.0);
 ( 451000.6, 3743205.0,      0.0,      0.0,      0.0);        ( 450934.9, 3743280.4,      0.0,      0.0,      0.0);
 ( 450869.2, 3743355.8,      0.0,      0.0,      0.0);        ( 450803.5, 3743431.2,      0.0,      0.0,      0.0);
 ( 450737.8, 3743506.5,      0.0,      0.0,      0.0);        ( 450703.1, 3743546.3,      0.0,      0.0,      0.0);
 ( 450750.4, 3743545.8,      0.0,      0.0,      0.0);        ( 450850.4, 3743544.8,      0.0,      0.0,      0.0);
 ( 450950.3, 3743543.9,      0.0,      0.0,      0.0);        ( 451050.3, 3743542.9,      0.0,      0.0,      0.0);
 ( 451150.3, 3743541.9,      0.0,      0.0,      0.0);        ( 451250.3, 3743540.9,      0.0,      0.0,      0.0);
 ( 451350.3, 3743539.9,      0.0,      0.0,      0.0);        ( 451450.3, 3743538.9,      0.0,      0.0,      0.0);
 ( 451550.3, 3743537.9,      0.0,      0.0,      0.0);        ( 451650.3, 3743537.0,      0.0,      0.0,      0.0);
 ( 451750.3, 3743536.0,      0.0,      0.0,      0.0);        ( 451850.3, 3743535.0,      0.0,      0.0,      0.0);
 ( 451950.3, 3743534.0,      0.0,      0.0,      0.0);        ( 452050.3, 3743533.0,      0.0,      0.0,      0.0);
 ( 452150.3, 3743532.0,      0.0,      0.0,      0.0);        ( 452250.3, 3743531.0,      0.0,      0.0,      0.0);
 ( 452350.3, 3743530.0,      0.0,      0.0,      0.0);        ( 452395.3, 3743529.6,      0.0,      0.0,      0.0);
 ( 452433.5, 3743491.4,      0.0,      0.0,      0.0);        ( 452434.2, 3743490.7,      0.0,      0.0,      0.0);
 ( 452504.5, 3743419.6,      0.0,      0.0,      0.0);        ( 452574.8, 3743348.5,      0.0,      0.0,      0.0);
 ( 452645.1, 3743277.4,      0.0,      0.0,      0.0);        ( 452715.4, 3743206.3,      0.0,      0.0,      0.0);
 ( 453238.9, 3743099.6,      0.0,      0.0,      0.0);        ( 453170.5, 3743068.7,      0.0,      0.0,      0.0);
 ( 453102.2, 3743037.9,      0.0,      0.0,      0.0);        ( 453033.8, 3743007.0,      0.0,      0.0,      0.0);
 ( 452965.5, 3742976.2,      0.0,      0.0,      0.0);        ( 452897.1, 3742945.3,      0.0,      0.0,      0.0);
 ( 452828.7, 3742914.5,      0.0,      0.0,      0.0);        ( 452760.4, 3742883.6,      0.0,      0.0,      0.0);
 ( 452692.0, 3742852.8,      0.0,      0.0,      0.0);        ( 452623.6, 3742821.9,      0.0,      0.0,      0.0);
 ( 452555.3, 3742791.1,      0.0,      0.0,      0.0);        ( 452486.9, 3742760.2,      0.0,      0.0,      0.0);
 ( 452418.6, 3742729.4,      0.0,      0.0,      0.0);        ( 452350.2, 3742698.5,      0.0,      0.0,      0.0);
 ( 452281.8, 3742667.7,      0.0,      0.0,      0.0);        ( 452213.5, 3742636.8,      0.0,      0.0,      0.0);
 ( 452145.1, 3742606.0,      0.0,      0.0,      0.0);        ( 452076.8, 3742575.1,      0.0,      0.0,      0.0);
 ( 452008.4, 3742544.3,      0.0,      0.0,      0.0);        ( 451940.0, 3742513.4,      0.0,      0.0,      0.0);
 ( 451871.7, 3742482.6,      0.0,      0.0,      0.0);        ( 451803.3, 3742451.7,      0.0,      0.0,      0.0);
```



```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL
```

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

```
 ( 451735.0, 3742420.9,      0.0,      0.0,      0.0);        ( 451666.6, 3742390.0,      0.0,      0.0,      0.0);
 ( 451598.2, 3742359.2,      0.0,      0.0,      0.0);        ( 451529.9, 3742328.3,      0.0,      0.0,      0.0);
 ( 451461.5, 3742297.5,      0.0,      0.0,      0.0);        ( 451393.1, 3742266.6,      0.0,      0.0,      0.0);
 ( 451360.5, 3742251.9,      0.0,      0.0,      0.0);        ( 451336.9, 3742283.2,      0.0,      0.0,      0.0);
 ( 451291.8, 3742343.1,      0.0,      0.0,      0.0);        ( 451246.7, 3742403.0,      0.0,      0.0,      0.0);
 ( 451201.6, 3742462.9,      0.0,      0.0,      0.0);        ( 451156.5, 3742522.8,      0.0,      0.0,      0.0);
 ( 451111.3, 3742582.7,      0.0,      0.0,      0.0);        ( 451066.2, 3742642.7,      0.0,      0.0,      0.0);
 ( 451021.1, 3742702.6,      0.0,      0.0,      0.0);        ( 450976.0, 3742762.5,      0.0,      0.0,      0.0);
 ( 450930.9, 3742822.4,      0.0,      0.0,      0.0);        ( 450885.7, 3742882.3,      0.0,      0.0,      0.0);
 ( 450840.6, 3742942.2,      0.0,      0.0,      0.0);        ( 450795.5, 3743002.1,      0.0,      0.0,      0.0);
 ( 450750.4, 3743062.0,      0.0,      0.0,      0.0);        ( 450705.3, 3743121.9,      0.0,      0.0,      0.0);
 ( 450660.1, 3743181.8,      0.0,      0.0,      0.0);        ( 450615.0, 3743241.8,      0.0,      0.0,      0.0);
 ( 450569.9, 3743301.7,      0.0,      0.0,      0.0);        ( 450524.8, 3743361.6,      0.0,      0.0,      0.0);
 ( 450479.7, 3743421.5,      0.0,      0.0,      0.0);        ( 450434.5, 3743481.4,      0.0,      0.0,      0.0);
 ( 450389.4, 3743541.3,      0.0,      0.0,      0.0);        ( 450344.3, 3743601.2,      0.0,      0.0,      0.0);
 ( 450299.2, 3743661.1,      0.0,      0.0,      0.0);        ( 450254.1, 3743721.0,      0.0,      0.0,      0.0);
 ( 450208.9, 3743781.0,      0.0,      0.0,      0.0);        ( 450163.8, 3743840.9,      0.0,      0.0,      0.0);
 ( 450153.7, 3743854.3,      0.0,      0.0,      0.0);        ( 450211.9, 3743853.4,      0.0,      0.0,      0.0);
 ( 450286.9, 3743852.3,      0.0,      0.0,      0.0);        ( 450361.9, 3743851.1,      0.0,      0.0,      0.0);
 ( 450436.8, 3743850.0,      0.0,      0.0,      0.0);        ( 450511.8, 3743848.8,      0.0,      0.0,      0.0);
 ( 450586.8, 3743847.7,      0.0,      0.0,      0.0);        ( 450661.8, 3743846.5,      0.0,      0.0,      0.0);
 ( 450736.8, 3743845.4,      0.0,      0.0,      0.0);        ( 450811.8, 3743844.2,      0.0,      0.0,      0.0);
 ( 450886.8, 3743843.1,      0.0,      0.0,      0.0);        ( 450961.8, 3743841.9,      0.0,      0.0,      0.0);
 ( 451036.8, 3743840.8,      0.0,      0.0,      0.0);        ( 451111.8, 3743839.7,      0.0,      0.0,      0.0);
 ( 451186.8, 3743838.5,      0.0,      0.0,      0.0);        ( 451261.7, 3743837.4,      0.0,      0.0,      0.0);
 ( 451336.7, 3743836.2,      0.0,      0.0,      0.0);        ( 451411.7, 3743835.1,      0.0,      0.0,      0.0);
 ( 451486.7, 3743833.9,      0.0,      0.0,      0.0);        ( 451561.7, 3743832.8,      0.0,      0.0,      0.0);
 ( 451636.7, 3743831.6,      0.0,      0.0,      0.0);        ( 451711.7, 3743830.5,      0.0,      0.0,      0.0);
 ( 451786.7, 3743829.3,      0.0,      0.0,      0.0);        ( 451861.7, 3743828.2,      0.0,      0.0,      0.0);
 ( 451936.7, 3743827.0,      0.0,      0.0,      0.0);        ( 452011.7, 3743825.9,      0.0,      0.0,      0.0);
 ( 452086.6, 3743824.7,      0.0,      0.0,      0.0);        ( 452161.6, 3743823.6,      0.0,      0.0,      0.0);
 ( 452236.6, 3743822.5,      0.0,      0.0,      0.0);        ( 452311.6, 3743821.3,      0.0,      0.0,      0.0);
 ( 452386.6, 3743820.2,      0.0,      0.0,      0.0);        ( 452461.6, 3743819.0,      0.0,      0.0,      0.0);
 ( 452536.6, 3743817.9,      0.0,      0.0,      0.0);        ( 452540.8, 3743817.8,      0.0,      0.0,      0.0);
 ( 452590.1, 3743767.0,      0.0,      0.0,      0.0);        ( 452642.4, 3743713.3,      0.0,      0.0,      0.0);
 ( 452694.7, 3743659.5,      0.0,      0.0,      0.0);        ( 452747.0, 3743605.7,      0.0,      0.0,      0.0);
 ( 452799.2, 3743551.9,      0.0,      0.0,      0.0);        ( 452851.5, 3743498.1,      0.0,      0.0,      0.0);
 ( 452903.8, 3743444.4,      0.0,      0.0,      0.0);        ( 452956.1, 3743390.6,      0.0,      0.0,      0.0);
 ( 453008.3, 3743336.8,      0.0,      0.0,      0.0);        ( 453060.6, 3743283.0,      0.0,      0.0,      0.0);
 ( 453112.9, 3743229.2,      0.0,      0.0,      0.0);        ( 453165.2, 3743175.5,      0.0,      0.0,      0.0);
 ( 453217.4, 3743121.7,      0.0,      0.0,      0.0);
```



```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL
```

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

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

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

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2012 1 1 1
AND END DATE: 2012 12 31 24

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 NODRYDPLT NOWETDPLT RURAL

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

Surface file: C:\Users\RYAN~1.DES\OneDrive\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.SFC Met Version: 14134
Profile file: C:\Users\RYAN~1.DES\OneDrive\LDNONE~1\CI9EA3~1\19-05L~1\4-23-21\AERMOD\ELSI8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2008 Year: 2008

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2	5.5
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8	5.5
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.54	999.00	999.	-9.0	283.8	5.5
08	01	01	1	09	27.2	-9.000	-9.000	-9.000	60.	-999.	-99999.0	0.23	1.00	0.33	999.00	999.	-9.0	285.9	5.5
08	01	01	1	10	74.6	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.23	1.00	0.25	999.00	999.	-9.0	288.1	5.5
08	01	01	1	11	107.4	-9.000	-9.000	-9.000	375.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	289.9	5.5
08	01	01	1	12	122.7	-9.000	-9.000	-9.000	578.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	289.9	5.5
08	01	01	1	13	121.3	-9.000	-9.000	-9.000	714.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	291.4	5.5
08	01	01	1	14	102.1	-9.000	-9.000	-9.000	763.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	292.0	5.5
08	01	01	1	15	65.8	-9.000	-9.000	-9.000	792.	-999.	-99999.0	0.23	1.00	0.27	999.00	999.	-9.0	291.4	5.5
08	01	01	1	16	16.0	-9.000	-9.000	-9.000	798.	-999.	-99999.0	0.23	1.00	0.36	999.00	999.	-9.0	290.4	5.5
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.63	999.00	999.	-9.0	288.8	5.5
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	287.5	5.5
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	286.4	5.5
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	285.4	5.5
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2	5.5
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1	5.5
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	282.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 450567.80	450689.30	450810.80	450932.30	451053.80
3741880.3	0.12250m(12111424)	0.14466m(12111424)	0.15672m(12111424)	0.15586m(12111424)	0.14228m(12122124)
3741999.6	0.11639 (12112624)	0.14308m(12111424)	0.16628m(12111424)	0.17592m(12111424)	0.16841m(12111424)
3742118.9	0.13714 (12112024)	0.13212m(12111424)	0.16758m(12111424)	0.19116m(12111424)	0.19681m(12111424)
3742238.2	0.15658 (12112024)	0.15772 (12112024)	0.15763m(12111424)	0.19682m(12111424)	0.22020m(12111424)
3742357.5	0.18325 (12010524)	0.17963 (12112024)	0.18403 (12112024)	0.18923m(12111424)	0.23245m(12111424)
3742476.8	0.21352 (12010524)	0.22227 (12010524)	0.21554 (12010524)	0.21819 (12112024)	0.22934m(12111424)
3742596.1	0.21701 (12010524)	0.24575 (12010524)	0.26751 (12010524)	0.27648 (12010524)	0.26308 (12112024)
3742715.4	0.21670 (12010524)	0.25432 (12010524)	0.29154 (12010524)	0.32643 (12010524)	0.35594 (12010524)
3742834.7	0.21668 (12010524)	0.26411 (12010524)	0.31680 (12010524)	0.37101 (12010524)	0.42736 (12010524)

3742954.0	0.26837 (12120824)	0.28098 (12120824)	0.31497 (12010524)	0.39601 (12010524)	0.48710 (12010524)
3743073.3	0.30188 (12120824)	0.34004 (12120824)	0.38108 (12120824)	0.42690 (12120824)	0.49149 (12120824)
3743192.6	0.23936m(12011124)	0.28018m(12011124)	0.32999m(12011124)	0.40087 (12120824)	0.52446m(12102324)
3743311.9	0.27128 (12102424)	0.30689 (12102424)	0.35150 (12102424)	0.41746m(12102324)	0.61217m(12102324)
3743431.2	0.20115m(12102324)	0.25476m(12102324)	0.33681m(12102324)	0.45204m(12102324)	0.57839m(12102324)
3743550.5	0.22201m(12102324)	0.28405m(12102324)	0.34911m(12102324)	0.39490m(12102324)	0.45719m(12102324)
3743669.8	0.24314m(12102324)	0.27493m(12102324)	0.29029m(12102324)	0.34241 (12121624)	0.42278 (12121624)
3743789.1	0.21946m(12102324)	0.22285m(12102324)	0.27778 (12121624)	0.32831 (12121624)	0.37538 (12121624)
3743908.4	0.19025 (12121624)	0.23359 (12121624)	0.26798 (12121624)	0.29861 (12121624)	0.32415 (12121624)
3744027.7	0.20098 (12121624)	0.22558 (12121624)	0.24507 (12121624)	0.26443 (12121624)	0.27310 (12121624)
3744147.0	0.19373 (12121624)	0.20670 (12121624)	0.21828 (12121624)	0.22856 (12121624)	0.22471 (12121624)
3744266.3	0.17769 (12121624)	0.18400 (12121624)	0.19073 (12121624)	0.19314 (12121624)	0.19574 (12060224)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	451175.30	451296.80	451418.30	451539.80	451661.30
3741880.3	0.18207m(12122124)	0.20930m(12122124)	0.21151m(12122124)	0.19126m(12122124)	0.16999 (12011824)
3741999.6	0.18774m(12122124)	0.22470m(12122124)	0.23641m(12122124)	0.21914m(12122124)	0.19463m(12122124)
3742118.9	0.19106m(12122124)	0.23949m(12122124)	0.26376m(12122124)	0.25267m(12122124)	0.23084m(12122124)
3742238.2	0.21986m(12111424)	0.25311m(12122124)	0.29347m(12122124)	0.29335m(12122124)	0.27837m(12122124)
3742357.5	0.25556m(12111424)	0.26429m(12122124)	0.32541m(12122124)	0.34401m(12122124)	0.34136m(12122124)
3742476.8	0.27848m(12111424)	0.30221m(12111424)	0.35910m(12122124)	0.40987m(12122124)	0.42588m(12122124)
3742596.1	0.28416m(12111424)	0.34504m(12111424)	0.39310m(12122124)	0.49923m(12122124)	0.54111m(12122124)
3742715.4	0.36463 (12010524)	0.37102m(12111424)	0.44660m(12111424)	0.62239m(12122124)	0.70199m(12122124)
3742834.7	0.48172 (12010524)	0.52152 (12010524)	0.57844m(12122124)	0.79489m(12122124)	0.93865m(12122124)
3742954.0	0.59266 (12010524)	0.70621 (12010524)	0.95337m(12122124)	1.28920m(12122124)	1.27018m(12122124)
3743073.3	0.61646 (12010524)	0.80054 (12120824)	1.16035m(12122124)	1.28949m(12122124)	1.29116m(12122124)
3743192.6	0.77496m(12102324)	1.19871m(12102324)	1.34886m(12102324)	1.30533m(12102324)	1.20865m(12102324)
3743311.9	0.96630m(12102324)	1.22137m(12102324)	1.24342m(12102324)	1.21585m(12102324)	1.16205m(12102324)
3743431.2	0.70423m(12102324)	0.84670 (12121624)	0.86794 (12121624)	0.83516 (12121624)	0.78074 (12121624)
3743550.5	0.57953 (12121624)	0.63828 (12121624)	0.63316 (12121624)	0.59868 (12121624)	0.54472 (12121624)
3743669.8	0.48164 (12121624)	0.49957 (12121624)	0.48208 (12121624)	0.44470 (12121624)	0.38851m(12013024)
3743789.1	0.39831 (12121624)	0.39458 (12121624)	0.36960 (12121624)	0.32930 (12121624)	0.30250m(12013024)
3743908.4	0.32539 (12121624)	0.30899 (12121624)	0.29009 (12072624)	0.26728 (12072624)	0.25265 (12072324)
3744027.7	0.26091 (12121624)	0.26153 (12072624)	0.25428 (12072624)	0.23076 (12072624)	0.21438 (12072324)
3744147.0	0.22403 (12072624)	0.23536 (12072624)	0.22408 (12072624)	0.20007 (12072624)	0.18154 (12072324)
3744266.3	0.20844 (12072624)	0.21195 (12072624)	0.19793 (12072624)	0.17351 (12072624)	0.15328 (12072324)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	451782.80	451904.30	452025.80	452147.30	452268.80
3741880.3	0.16737m(12012424)	0.17632m(12012424)	0.16473m(12012424)	0.14868 (12122024)	0.15927 (12011724)
3741999.6	0.18659m(12012424)	0.19039 (12122024)	0.18031 (12122024)	0.17197 (12011724)	0.18614 (12120424)
3742118.9	0.22228m(12122124)	0.22005m(12122124)	0.19985 (12122024)	0.20081 (12011724)	0.22384 (12120424)
3742238.2	0.27554m(12122124)	0.26572m(12122124)	0.22687 (12122024)	0.24750 (12120424)	0.25741 (12120424)
3742357.5	0.34385m(12122124)	0.31494m(12122124)	0.27565 (12120424)	0.29537 (12120424)	0.28266 (12120424)
3742476.8	0.42745m(12122124)	0.36913m(12122124)	0.34897 (12120424)	0.33291 (12120424)	0.31530m(12101424)
3742596.1	0.52429m(12122124)	0.44289m(12122124)	0.41149 (12120424)	0.39026m(12101424)	0.37080m(12103024)
3742715.4	0.64735m(12122124)	0.56398m(12122124)	0.50172m(12103024)	0.46565m(12103024)	0.42889 (12111924)
3742834.7	0.85264m(12122124)	0.73709 (12111924)	0.69217 (12111924)	0.61051 (12111924)	0.51435 (12111924)
3742954.0	1.14683 (12111924)	1.03879 (12111924)	0.88823 (12111924)	0.72996 (12111924)	0.57388 (12111924)
3743073.3	1.28843m(12111424)	1.25562m(12111424)	1.09405m(12111424)	0.84117 (12111924)	0.62830 (12111924)
3743192.6	1.07624m(12111424)	1.10791m(12111424)	1.07393m(12111424)	0.98132m(12111424)	0.76788m(12111424)
3743311.9	1.07526m(12102324)	0.96010m(12102324)	0.85446 (12121724)	0.77439 (12110624)	0.71529 (12110624)
3743431.2	0.70783 (12121624)	0.63468 (12100524)	0.58169 (12121724)	0.54315 (12121724)	0.49143 (12121724)
3743550.5	0.48263 (12100524)	0.43200 (12100524)	0.42218 (12071524)	0.38143 (12071524)	0.34648 (12121724)
3743669.8	0.34798 (12100524)	0.31755 (12111724)	0.31968 (12071524)	0.30431 (12071524)	0.26001 (12112524)
3743789.1	0.27711 (12072324)	0.25252 (12091624)	0.24281 (12071524)	0.23938 (12071524)	0.21923 (12071524)
3743908.4	0.23301 (12072324)	0.20357 (12091624)	0.18011 (12071524)	0.18484 (12071524)	0.18637 (12071524)
3744027.7	0.19583 (12072324)	0.16638 (12091624)	0.14833 (12091624)	0.13972 (12071524)	0.15456 (12071524)
3744147.0	0.16473 (12072324)	0.13853 (12091624)	0.12810 (12091624)	0.11352 (12091624)	0.12443 (12071524)
3744266.3	0.13989 (12072324)	0.12713 (12040424)	0.11149 (12091624)	0.10374 (12091624)	0.09776 (12071524)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 452390.30	452511.80	452633.30	452754.80	452876.30
3741880.3	0.17405 (12120424)	0.18272 (12120424)	0.18752 (12070724)	0.18815 (12070724)	0.17332 (12070724)
3741999.6	0.20231 (12120424)	0.20276 (12070724)	0.20562 (12070724)	0.18974 (12070724)	0.16629 (12070724)
3742118.9	0.22633 (12120424)	0.22627 (12070724)	0.20893 (12070724)	0.18329 (12070724)	0.15827 (12012924)
3742238.2	0.25124 (12070724)	0.23179 (12070724)	0.20575m(12101424)	0.18953m(12103024)	0.16534m(12103024)
3742357.5	0.26239m(12101424)	0.24807m(12103024)	0.22891m(12103024)	0.19517m(12103024)	0.17183m(12083124)
3742476.8	0.30081m(12103024)	0.27515m(12103024)	0.23392m(12103024)	0.20594 (12111924)	0.19346 (12111924)
3742596.1	0.33029m(12103024)	0.29552 (12111924)	0.26123 (12111924)	0.22698 (12111924)	0.20462 (12111924)
3742715.4	0.38413 (12111924)	0.33352 (12111924)	0.27270 (12111924)	0.23125 (12111924)	0.20228 (12111924)
3742834.7	0.42561 (12111924)	0.34303 (12111924)	0.26760 (12111924)	0.23163m(12111424)	0.20535m(12111424)
3742954.0	0.44306 (12111924)	0.33091m(12111424)	0.29024m(12111424)	0.24702m(12111424)	0.20529m(12111424)
3743073.3	0.45734m(12111424)	0.38253m(12111424)	0.30956m(12111424)	0.24237m(12111424)	0.18768m(12111424)
3743192.6	0.51463m(12111424)	0.37598m(12111424)	0.25876m(12111424)	0.21066 (12050924)	0.18354 (12050924)
3743311.9	0.53668 (12110624)	0.43083 (12050924)	0.35224 (12050924)	0.29674 (12050924)	0.25617 (12050924)
3743431.2	0.39141 (12121724)	0.28893 (12121724)	0.23335 (12052124)	0.21447 (12052124)	0.19459 (12012624)
3743550.5	0.30122 (12121724)	0.26140 (12121724)	0.21797 (12121724)	0.18894m(12072024)	0.16718 (12122724)
3743669.8	0.24651 (12112524)	0.22459 (12012224)	0.19099 (12012224)	0.16628 (12121724)	0.15910m(12072024)
3743789.1	0.20930 (12112524)	0.20623 (12112524)	0.18708 (12012224)	0.16027 (12012224)	0.12837 (12092724)
3743908.4	0.18491 (12071524)	0.18080 (12112524)	0.17918 (12112524)	0.15840 (12012224)	0.13697 (12012224)
3744027.7	0.16320 (12071524)	0.15924 (12071524)	0.16091 (12112524)	0.15852 (12112524)	0.13821 (12112524)
3744147.0	0.14012 (12071524)	0.14397 (12071524)	0.13739 (12071524)	0.14498 (12112524)	0.14194 (12112524)
3744266.3	0.11690 (12071524)	0.12689 (12071524)	0.12688 (12071524)	0.12265 (12112524)	0.13172 (12112524)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** NETWORK ID: RLPS4001 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 452997.80
3741880.3	0.15155 (12070724)
3741999.6	0.14247 (12012924)
3742118.9	0.14288m(12103024)
3742238.2	0.15107m(12083124)
3742357.5	0.16477 (12111924)
3742476.8	0.18274 (12111924)
3742596.1	0.18370 (12111924)
3742715.4	0.17646m(12111424)
3742834.7	0.17800m(12111424)
3742954.0	0.16822m(12111424)
3743073.3	0.14894 (12011924)
3743192.6	0.16162 (12050924)
3743311.9	0.22512 (12050924)
3743431.2	0.17555 (12012624)
3743550.5	0.14522m(12062924)
3743669.8	0.14099m(12072024)
3743789.1	0.12951m(12072024)
3743908.4	0.10999 (12092724)
3744027.7	0.11848 (12012224)
3744147.0	0.12308 (12112524)
3744266.3	0.12818 (12112524)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
452418.60	3743245.40	0.47096	(12050924)	452373.00	3743225.00	0.52987m	(12111424)
452327.30	3743204.50	0.62273m	(12111424)	452281.70	3743184.10	0.72624m	(12111424)
452236.10	3743163.70	0.82009m	(12111424)	452190.40	3743143.30	0.89959m	(12111424)
452144.80	3743122.80	0.96457m	(12111424)	452099.10	3743102.40	1.01865m	(12111424)
452053.50	3743082.00	1.06229m	(12111424)	452007.90	3743061.50	1.09544m	(12111424)
451962.20	3743041.10	1.11736m	(12111424)	451916.60	3743020.70	1.13891	(12111924)
451871.00	3743000.20	1.16640	(12111924)	451825.30	3742979.80	1.17619	(12111924)
451779.70	3742959.40	1.16091	(12111924)	451734.10	3742939.00	1.12720	(12122024)
451688.40	3742918.50	1.13832m	(12122124)	451642.80	3742898.10	1.12730m	(12122124)
451597.20	3742877.70	1.02989m	(12122124)	451594.10	3742876.30	1.01988m	(12122124)

451559.40	3742907.50	1.10448m (12122124)	451522.30	3742941.00	1.19957m (12122124)
451485.10	3742974.40	1.21937m (12122124)	451447.90	3743007.80	1.18595m (12122124)
451411.20	3743040.90	1.11371m (12122124)	451410.80	3743041.30	1.11280m (12122124)
451378.10	3743079.10	1.03012m (12122124)	451345.30	3743116.90	1.05755m (12102324)
451312.60	3743154.70	1.11204m (12102324)	451279.80	3743192.50	1.13938m (12102324)
451247.10	3743230.30	1.13631m (12102324)	451214.30	3743268.00	1.09163m (12102324)
451181.60	3743305.80	0.99201m (12102324)	451148.80	3743343.60	0.84825m (12102324)
451140.30	3743353.40	0.81426m (12102324)	451177.30	3743353.80	0.90606m (12102324)
451227.30	3743354.40	0.98100m (12102324)	451277.30	3743354.90	1.01720m (12102324)
451327.30	3743355.50	1.06454 (12121624)	451377.30	3743356.00	1.08869 (12121624)
451427.30	3743356.60	1.09109 (12121624)	451477.30	3743357.10	1.07895 (12121624)
451527.30	3743357.70	1.06866m (12013024)	451577.30	3743358.20	1.05877m (12013024)
451594.10	3743358.40	1.05311m (12013024)	451627.30	3743358.10	1.04123m (12013024)
451677.30	3743357.70	1.01676m (12013024)	451727.30	3743357.20	0.98685m (12013024)
451777.30	3743356.80	0.95074m (12013024)	451827.30	3743356.30	0.90914m (12013024)
451877.30	3743355.90	0.86175m (12013024)	451927.30	3743355.40	0.83406 (12112924)
451977.30	3743355.00	0.80950 (12112924)	452027.30	3743354.50	0.78854 (12121724)
452077.30	3743354.10	0.76666 (12121724)	452127.30	3743353.60	0.73852 (12121724)
452177.30	3743353.20	0.70306 (12121724)	452227.30	3743352.70	0.65862 (12121724)
452277.30	3743352.30	0.60318 (12121724)	452327.30	3743351.80	0.54506 (12121724)
452328.80	3743351.80	0.54256 (12121724)	452360.10	3743314.80	0.59051 (12110624)
452392.30	3743276.60	0.55573 (12050924)	452466.80	3743248.70	0.43018 (12050924)
452421.40	3743227.80	0.46641m (12111424)	452375.90	3743207.00	0.53298m (12111424)
452330.50	3743186.10	0.60343m (12111424)	452285.00	3743165.30	0.68857m (12111424)
452239.60	3743144.40	0.77095m (12111424)	452194.10	3743123.60	0.84400m (12111424)
452148.70	3743102.70	0.90382m (12111424)	452103.30	3743081.90	0.95216m (12111424)
452057.80	3743061.00	0.98935m (12111424)	452012.40	3743040.20	1.02796 (12111924)
451966.90	3743019.30	1.07092 (12111924)	451921.50	3742998.40	1.10407 (12111924)
451876.00	3742977.60	1.12328 (12111924)	451830.60	3742956.70	1.12183 (12111924)
451785.20	3742935.90	1.09296 (12111924)	451739.70	3742915.00	1.06613m (12122124)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
451694.30	3742894.20	1.07938m (12122124)	451648.80	3742873.30	1.05036m (12122124)
451603.40	3742852.50	0.96468m (12122124)	451575.80	3742839.80	0.88687m (12122124)
451561.80	3742853.60	0.88833m (12122124)	451526.10	3742888.60	0.95290m (12122124)
451490.50	3742923.70	1.04800m (12122124)	451454.80	3742958.70	1.07756m (12122124)
451419.10	3742993.70	1.05551m (12122124)	451386.30	3743026.00	1.00028m (12122124)
451383.70	3743029.00	0.99546m (12122124)	451350.80	3743066.70	0.91905m (12122124)
451317.90	3743104.30	0.91155 (12120824)	451285.00	3743142.00	0.96301m (12102324)
451252.10	3743179.60	0.98982m (12102324)	451219.20	3743217.30	0.98905m (12102324)
451186.30	3743254.90	0.95406m (12102324)	451153.40	3743292.60	0.88355m (12102324)
451120.50	3743330.30	0.77769m (12102324)	451087.70	3743367.90	0.68567m (12102324)
451077.10	3743380.00	0.65840m (12102324)	451111.10	3743380.20	0.71785m (12102324)
451161.10	3743380.40	0.81016m (12102324)	451211.10	3743380.70	0.87012m (12102324)
451261.10	3743380.90	0.92658 (12121624)	451311.10	3743381.20	0.98201 (12121624)
451361.10	3743381.40	1.00742 (12121624)	451411.10	3743381.70	1.01240 (12121624)
451461.10	3743381.90	1.00358 (12121624)	451511.10	3743382.20	0.98703 (12121624)
451561.10	3743382.50	0.96829 (12121624)	451611.10	3743382.70	0.95165m (12013024)
451661.10	3743383.00	0.92733m (12013024)	451711.10	3743383.20	0.89761m (12013024)
451748.70	3743383.40	0.87177m (12013024)	451761.10	3743383.30	0.86324m (12013024)
451811.00	3743382.90	0.82550m (12013024)	451861.00	3743382.40	0.79093 (12121624)
451911.00	3743382.00	0.75318 (12121624)	451961.00	3743381.60	0.72452 (12112924)
452011.00	3743381.10	0.71903 (12121724)	452061.00	3743380.70	0.70606 (12121724)
452111.00	3743380.30	0.68486 (12121724)	452161.00	3743379.90	0.65550 (12121724)
452211.00	3743379.40	0.61757 (12121724)	452261.00	3743379.00	0.57526 (12121724)
452311.00	3743378.60	0.53691 (12121724)	452330.50	3743378.40	0.51300 (12121724)
452352.60	3743357.40	0.49393 (12121724)	452388.80	3743322.90	0.52181 (12110624)
452425.10	3743288.40	0.52414 (12050924)	452461.30	3743254.00	0.44594 (12050924)
452548.20	3743228.80	0.33691 (12050924)	452525.50	3743218.40	0.33073 (12050924)
452502.80	3743207.90	0.37175m (12111424)	452480.10	3743197.50	0.41101m (12111424)
452457.30	3743187.00	0.44379m (12111424)	452434.60	3743176.60	0.46833m (12111424)
452411.90	3743166.20	0.48715m (12111424)	452389.20	3743155.70	0.50491m (12111424)
452366.50	3743145.30	0.52442m (12111424)	452343.80	3743134.80	0.54373m (12111424)
452321.00	3743124.40	0.56314m (12111424)	452298.30	3743114.00	0.58809 (12111924)
452275.60	3743103.50	0.62927 (12111924)	452252.90	3743093.10	0.66744 (12111924)
452230.20	3743082.60	0.70285 (12111924)	452207.50	3743072.20	0.73605 (12111924)
452184.70	3743061.80	0.76751 (12111924)	452162.00	3743051.30	0.79700 (12111924)
452139.30	3743040.90	0.82498 (12111924)	452116.60	3743030.40	0.85126 (12111924)
452093.90	3743020.00	0.87598 (12111924)	452071.20	3743009.60	0.89901 (12111924)
452048.50	3742999.10	0.92004 (12111924)	452025.70	3742988.70	0.93933 (12111924)
452003.00	3742978.20	0.95602 (12111924)	451980.30	3742967.80	0.97013 (12111924)
451957.60	3742957.40	0.98101 (12111924)	451934.90	3742946.90	0.98785 (12111924)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451912.20	3742936.50	0.99034	(12111924)	451889.40	3742926.00	0.98739	(12111924)
451866.70	3742915.60	0.97851	(12111924)	451844.00	3742905.20	0.96271	(12111924)
451821.30	3742894.70	0.93870	(12111924)	451798.60	3742884.30	0.92526m	(12122124)
451775.90	3742873.80	0.93643m	(12122124)	451753.10	3742863.40	0.94312m	(12122124)
451730.40	3742853.00	0.94305m	(12122124)	451707.70	3742842.50	0.93495m	(12122124)
451685.00	3742832.10	0.92176m	(12122124)	451662.30	3742821.60	0.90654m	(12122124)
451639.60	3742811.20	0.88356m	(12122124)	451616.80	3742800.80	0.84892m	(12122124)
451594.10	3742790.30	0.80807m	(12122124)	451571.40	3742779.90	0.76124m	(12122124)
451548.70	3742769.50	0.70788m	(12122124)	451542.50	3742766.60	0.69251m	(12122124)
451529.30	3742779.10	0.68303m	(12122124)	451511.10	3742796.20	0.66518m	(12122124)
451492.90	3742813.40	0.65064m	(12122124)	451474.70	3742830.60	0.65034m	(12122124)
451456.60	3742847.70	0.67031m	(12122124)	451438.40	3742864.90	0.70365m	(12122124)
451420.20	3742882.00	0.73563m	(12122124)	451402.00	3742899.20	0.75782m	(12122124)
451383.90	3742916.40	0.76806m	(12122124)	451365.70	3742933.50	0.76701m	(12122124)
451347.50	3742950.70	0.75732m	(12122124)	451329.30	3742967.90	0.75987	(12010524)
451311.10	3742985.00	0.76020	(12010524)	451306.50	3742989.40	0.75942	(12010524)
451294.80	3743003.90	0.75859	(12010524)	451279.00	3743023.30	0.75149	(12010524)
451263.30	3743042.70	0.73827	(12010524)	451247.50	3743062.10	0.71899	(12010524)
451231.80	3743081.50	0.69429	(12010524)	451216.00	3743100.90	0.68923	(12120824)
451200.30	3743120.30	0.68140	(12120824)	451184.50	3743139.80	0.67669m	(12102324)
451168.80	3743159.20	0.68349m	(12102324)	451153.00	3743178.60	0.68637m	(12102324)
451137.30	3743198.00	0.68626m	(12102324)	451121.50	3743217.40	0.68303m	(12102324)
451105.80	3743236.80	0.67605m	(12102324)	451090.00	3743256.20	0.66208m	(12102324)
451074.30	3743275.70	0.64033m	(12102324)	451058.50	3743295.10	0.61450m	(12102324)
451042.80	3743314.50	0.59070m	(12102324)	451027.00	3743333.90	0.56883m	(12102324)
451011.30	3743353.30	0.54779m	(12102324)	450995.50	3743372.70	0.52696m	(12102324)
450979.80	3743392.20	0.50692m	(12102324)	450964.00	3743411.60	0.48752m	(12102324)
450948.30	3743431.00	0.46898m	(12102324)	450942.40	3743438.20	0.46220m	(12102324)
450958.10	3743438.10	0.47809m	(12102324)	450983.10	3743437.90	0.50321m	(12102324)
451008.10	3743437.70	0.52770m	(12102324)	451033.10	3743437.50	0.55162m	(12102324)
451058.10	3743437.30	0.57580m	(12102324)	451083.10	3743437.10	0.60188m	(12102324)
451108.10	3743436.80	0.63086m	(12102324)	451133.10	3743436.60	0.65962m	(12102324)
451158.10	3743436.40	0.68222m	(12102324)	451183.10	3743436.20	0.69620m	(12102324)
451208.10	3743436.00	0.74058	(12121624)	451233.10	3743435.80	0.77841	(12121624)
451258.10	3743435.60	0.80734	(12121624)	451283.10	3743435.40	0.82870	(12121624)
451308.10	3743435.20	0.84386	(12121624)	451333.10	3743435.00	0.85393	(12121624)
451358.10	3743434.80	0.85973	(12121624)	451383.10	3743434.60	0.86191	(12121624)
451408.10	3743434.40	0.86107	(12121624)	451433.10	3743434.20	0.85779	(12121624)
451458.10	3743434.00	0.85274	(12121624)	451483.10	3743433.80	0.84651	(12121624)
451508.10	3743433.60	0.83950	(12121624)	451533.10	3743433.40	0.83184	(12121624)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451558.10	3743433.20	0.82335	(12121624)	451583.10	3743433.00	0.81393	(12121624)
451608.10	3743432.80	0.80346	(12121624)	451633.10	3743432.60	0.79192	(12121624)
451658.10	3743432.40	0.77940	(12121624)	451683.10	3743432.10	0.76633	(12121624)
451708.10	3743431.90	0.75235	(12121624)	451733.10	3743431.70	0.73784	(12121624)
451758.10	3743431.50	0.72286	(12121624)	451783.10	3743431.30	0.70738	(12121624)
451808.10	3743431.10	0.69130	(12121624)	451833.10	3743430.90	0.67444	(12121624)
451858.10	3743430.70	0.65988	(12100524)	451883.10	3743430.50	0.64768	(12100524)
451908.10	3743430.30	0.63448	(12100524)	451933.10	3743430.10	0.62030	(12100524)
451958.10	3743429.90	0.60493	(12100524)	451983.10	3743429.70	0.58870	(12121724)
452008.10	3743429.50	0.58794	(12121724)	452033.10	3743429.30	0.58532	(12121724)
452058.10	3743429.10	0.58070	(12121724)	452083.10	3743428.90	0.57407	(12121724)
452108.10	3743428.70	0.56556	(12121724)	452133.10	3743428.50	0.55546	(12121724)
452158.10	3743428.30	0.54428	(12121724)	452183.10	3743428.10	0.53278	(12121724)
452208.10	3743427.90	0.52175	(12121724)	452233.10	3743427.70	0.51149	(12121724)
452258.10	3743427.50	0.50142	(12121724)	452283.10	3743427.20	0.48979	(12121724)
452308.10	3743427.00	0.47284	(12121724)	452333.10	3743426.80	0.44984	(12121724)
452358.10	3743426.60	0.42495	(12121724)	452362.10	3743426.60	0.42101	(12121724)
452360.40	3743423.30	0.42588	(12121724)	452372.40	3743410.90	0.42443	(12121724)
452389.70	3743392.90	0.41588	(12121724)	452407.10	3743374.90	0.39597	(12121724)
452424.50	3743356.90	0.40691	(12110624)	452441.80	3743339.00	0.43376	(12110624)
452459.20	3743321.00	0.45585	(12050924)	452476.60	3743303.00	0.46782	(12050924)
452493.90	3743285.00	0.45512	(12050924)	452511.30	3743267.00	0.42364	(12050924)
452528.70	3743249.00	0.38330	(12050924)	452546.00	3743231.00	0.34189	(12050924)
452719.50	3743202.20	0.23140	(12050924)	452628.70	3743160.40	0.28747m	(12111424)
452537.80	3743118.60	0.37426m	(12111424)	452447.00	3743076.80	0.42209m	(12111424)
452356.10	3743035.00	0.48305	(12111924)	452265.30	3742993.20	0.59618	(12111924)
452174.40	3742951.50	0.69232	(12111924)	452083.60	3742909.70	0.75838	(12111924)
451992.70	3742867.90	0.77488	(12111924)	451901.90	3742826.10	0.71398	(12111924)
451811.00	3742784.30	0.73483m	(12122124)	451720.20	3742742.50	0.72766m	(12122124)
451629.30	3742700.70	0.67035m	(12122124)	451538.50	3742658.90	0.55805m	(12122124)
451494.30	3742638.60	0.49432m	(12122124)	451460.50	3742677.30	0.47424m	(12122124)
451394.80	3742752.70	0.45226m	(12111424)	451329.10	3742828.10	0.51592	(12010524)

451263.40	3742903.50	0.61004	(12010524)	451197.70	3742978.90	0.63021	(12010524)
451132.00	3743054.20	0.56638	(12010524)	451066.30	3743129.60	0.52839	(12120824)
451000.60	3743205.00	0.46111m	(12102324)	450934.90	3743280.40	0.41683	(12102424)
450869.20	3743355.80	0.36718m	(12102324)	450803.50	3743431.20	0.33092m	(12102324)
450737.80	3743506.50	0.30352m	(12102324)	450703.10	3743546.30	0.29098m	(12102324)
450750.40	3743545.80	0.31781m	(12102324)	450850.40	3743544.80	0.36880m	(12102324)
450950.30	3743543.90	0.40660m	(12102324)	451050.30	3743542.90	0.46182m	(12102324)
451150.30	3743541.90	0.56429	(12121624)	451250.30	3743540.90	0.63676	(12121624)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451350.30	3743539.90	0.65773	(12121624)	451450.30	3743538.90	0.64395	(12121624)
451550.30	3743537.90	0.61469	(12121624)	451650.30	3743537.00	0.57192	(12121624)
451750.30	3743536.00	0.51522	(12121624)	451850.30	3743535.00	0.47725	(12100524)
451950.30	3743534.00	0.44847	(12071524)	452050.30	3743533.00	0.43389	(12071524)
452150.30	3743532.00	0.39362	(12071524)	452250.30	3743531.00	0.37231	(12121724)
452350.30	3743530.00	0.33227	(12121724)	452395.30	3743529.60	0.31480	(12121724)
452433.50	3743491.40	0.32401	(12121724)	452434.20	3743490.70	0.32406	(12121724)
452504.50	3743419.60	0.29319	(12121724)	452574.80	3743348.50	0.34008	(12050924)
452645.10	3743277.40	0.34243	(12050924)	452715.40	3743206.30	0.23757	(12050924)
453238.90	3743099.60	0.12047	(12041924)	453170.50	3743068.70	0.12695	(12011924)
453102.20	3743037.90	0.13596	(12011924)	453033.80	3743007.00	0.14940m	(12111424)
452965.50	3742976.20	0.17491m	(12111424)	452897.10	3742945.30	0.19912m	(12111424)
452828.70	3742914.50	0.22067m	(12111424)	452760.40	3742883.60	0.23795m	(12111424)
452692.00	3742852.80	0.24831m	(12111424)	452623.60	3742821.90	0.27320	(12111924)
452555.30	3742791.10	0.31438	(12111924)	452486.90	3742760.20	0.35420	(12111924)
452418.60	3742729.40	0.37891	(12111924)	452350.20	3742698.50	0.38871	(12111924)
452281.80	3742667.70	0.38835m	(12103024)	452213.50	3742636.80	0.40471m	(12103024)
452145.10	3742606.00	0.39738m	(12103024)	452076.80	3742575.10	0.39153m	(12101424)
452008.40	3742544.30	0.38948	(12120424)	451940.00	3742513.40	0.36585	(12120424)
451871.70	3742482.60	0.39242m	(12122124)	451803.30	3742451.70	0.40420m	(12122124)
451735.00	3742420.90	0.38832m	(12122124)	451666.60	3742390.00	0.36222m	(12122124)
451598.20	3742359.20	0.34277m	(12122124)	451529.90	3742328.30	0.33090m	(12122124)
451461.50	3742297.50	0.31714m	(12122124)	451393.10	3742266.60	0.29449m	(12122124)
451360.50	3742251.90	0.28092m	(12122124)	451336.90	3742283.20	0.27671m	(12122124)
451291.80	3742343.10	0.26021m	(12122124)	451246.70	3742403.00	0.27241m	(12111424)
451201.60	3742462.90	0.28404m	(12111424)	451156.50	3742522.80	0.27400m	(12111424)
451111.30	3742582.70	0.26122	(12112024)	451066.20	3742642.70	0.30360	(12010524)
451021.10	3742702.60	0.34252	(12010524)	450976.00	3742762.50	0.35765	(12010524)
450930.90	3742822.40	0.36566	(12010524)	450885.70	3742882.30	0.36168	(12010524)
450840.60	3742942.20	0.33611	(12010524)	450795.50	3743002.10	0.33861	(12120824)
450750.40	3743062.00	0.35863	(12120824)	450705.30	3743121.90	0.33253	(12120824)
450660.10	3743181.80	0.26556m	(12011124)	450615.00	3743241.80	0.26503m	(12011124)
450569.90	3743301.70	0.27071	(12102424)	450524.80	3743361.60	0.25122	(12102424)
450479.70	3743421.50	0.20403	(12102424)	450434.50	3743481.40	0.16973	(12102924)
450389.40	3743541.30	0.15836m	(12102324)	450344.30	3743601.20	0.15464m	(12102324)
450299.20	3743661.10	0.15238m	(12102324)	450254.10	3743721.00	0.15097m	(12102324)
450208.90	3743781.00	0.14972m	(12102324)	450163.80	3743840.90	0.14807m	(12102324)
450153.70	3743854.30	0.14759m	(12102324)	450211.90	3743853.40	0.16007m	(12102324)
450286.90	3743852.30	0.17499m	(12102324)	450361.90	3743851.10	0.18694m	(12102324)
450436.80	3743850.00	0.19447m	(12102324)	450511.80	3743848.80	0.19751m	(12102324)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
450586.80	3743847.70	0.19793m	(12102324)	450661.80	3743846.50	0.21703	(12121624)
450736.80	3743845.40	0.24859	(12121624)	450811.80	3743844.20	0.27630	(12121624)
450886.80	3743843.10	0.30108	(12121624)	450961.80	3743841.90	0.32573	(12121624)
451036.80	3743840.80	0.34915	(12121624)	451111.80	3743839.70	0.36347	(12121624)
451186.80	3743838.50	0.36691	(12121624)	451261.70	3743837.40	0.36272	(12121624)
451336.70	3743836.20	0.35169	(12121624)	451411.70	3743835.10	0.33456	(12121624)
451486.70	3743833.90	0.31250	(12121624)	451561.70	3743832.80	0.29836m	(12013024)
451636.70	3743831.60	0.28503m	(12013024)	451711.70	3743830.50	0.27579	(12072324)
451786.70	3743829.30	0.26027	(12072324)	451861.70	3743828.20	0.24475	(12091624)
451936.70	3743827.00	0.22678	(12091624)	452011.70	3743825.90	0.22076	(12071524)
452086.60	3743824.70	0.22557	(12071524)	452161.60	3743823.60	0.22100	(12071524)
452236.60	3743822.50	0.21262	(12071524)	452311.60	3743821.30	0.20712	(12071524)
452386.60	3743820.20	0.20008	(12071524)	452461.60	3743819.00	0.20194	(12112524)
452536.60	3743817.90	0.19934	(12112524)	452540.80	3743817.80	0.19896	(12112524)
452590.10	3743767.00	0.19587	(12012224)	452642.40	3743713.30	0.19027	(12012224)
452694.70	3743659.50	0.17840	(12121724)	452747.00	3743605.70	0.18301m	(12072024)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
452799.20	3743551.90	0.17531	(12122724)	452851.50	3743498.10	0.17215m	(12062924)
452903.80	3743444.40	0.18533	(12012624)	452956.10	3743390.60	0.19741	(12050924)
453008.30	3743336.80	0.21931	(12050924)	453060.60	3743283.00	0.20657	(12050924)
453112.90	3743229.20	0.16959	(12050924)	453165.20	3743175.50	0.12570	(12050924)
453217.40	3743121.70	0.12257	(12041924)				

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): JUVEM000 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
451808.80	3743414.00	0.73616	(12121624)	451611.10	3743386.10	0.93832m	(12013024)
451395.10	3743364.60	1.06648	(12121624)	451274.70	3743360.30	0.99345	(12121624)
451170.50	3743172.20	0.71564m	(12102324)	451376.80	3742977.70	0.88376m	(12122124)

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

** CONC OF PM10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1.34886m	ON 12102324:	AT (451418.30, 3743192.60, 0.00, 0.00, 0.00)	GC	RLPS4001

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

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1916 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 3 Calm Hours Identified

A Total of 468 Missing Hours Identified (5.33 Percent)

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

******** WARNING MESSAGES ********
*** NONE ***

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