

Appendix A

## **Air Quality Assessment and Health Risk Assessment**

**Air Quality Assessment  
650 North King Road Project  
City of San José, California**



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**LIST OF ABBREVIATED TERMS**

AQMP	air quality management plan
AB	Assembly Bill
ADT	average daily traffic
BAAQMD	Bay Area Air Quality Management District
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CCAA	California Clean Air Act
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
cy	cubic yards
DPM	diesel particulate matter
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
H <sub>2</sub> S	hydrogen sulfide
Pb	Lead
LST	local significance threshold
µg/m <sup>3</sup>	micrograms per cubic meter
mg/m <sup>3</sup>	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	nitrogen oxide
O <sub>3</sub>	Ozone
PM <sub>10</sub>	particulate matter less than 10 microns in diameter
PM <sub>2.5</sub>	particulate matter less than 2.5 microns in diameter
ppm	parts per million
ROG	reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SRA	source receptor area
SF	square foot
SO <sub>4-2</sub>	Sulfates
SO <sub>2</sub>	sulfur dioxide
TAC	toxic air contaminant
C <sub>2</sub> H <sub>3</sub> Cl	vinyl chloride
VOC	volatile organic compound

# 1 INTRODUCTION

This report describes the air quality conditions in the project area. The current condition and quality of air quality was used as the baseline against which to compare potential impacts of the project. The purpose of this Air Quality Assessment is to evaluate potential short- and long-term noise impacts resulting from implementation of the proposed 650 North King Road project in the City of San José.

## 1.1 PROJECT LOCATION

The proposed project is located on 650 North King Road in San José. [Figure 1: Regional Vicinity](#) and [Figure 2: Site Vicinity](#), depict the project site in a regional and local context. The project site is located in an urban area with a mix of surrounding uses including commercial, office, residential and industrial uses. The proposed project's existing land use designation is Light Industrial (LI) and existing zoning designation is Light Industrial (LI).

Currently, the project site is developed with four office/warehouse buildings. The four buildings consist of approximately 135,044<sup>1</sup> square feet of warehouse and office space. The existing buildings are located in the center of the parcel and includes loading docks along the northern elevation. Surface parking is available throughout the site, with vehicle parking along the eastern (La Plumas Avenue) and southern (North King Road) frontages and truck parking along the northern and eastern frontages. There is existing landscaping and trees along the western, eastern and southern boundaries of the project site. The project site also has existing surface lighting.

## 1.2 PROJECT DESCRIPTION

The proposed 650 North King Road project (project) is designed and proposed as a warehouse facility. The project would demolish the four existing building onsite and construct a new 225,280 square feet office/warehouse industrial building on a total site area of 466,421 square feet (10.71 acres). Construction of the project is expected to commence in July 2022 and last for approximately one year. The proposed development would contain approximately 191,488 square feet of warehouse space, 16,897 square feet of office space on the ground level and 16,895 square feet of office space on the second floor, see [Figure 3: Site Plan](#). The enclosed area of the project would be 225,280 square feet compared to the existing 135,044 square feet warehouse buildings.

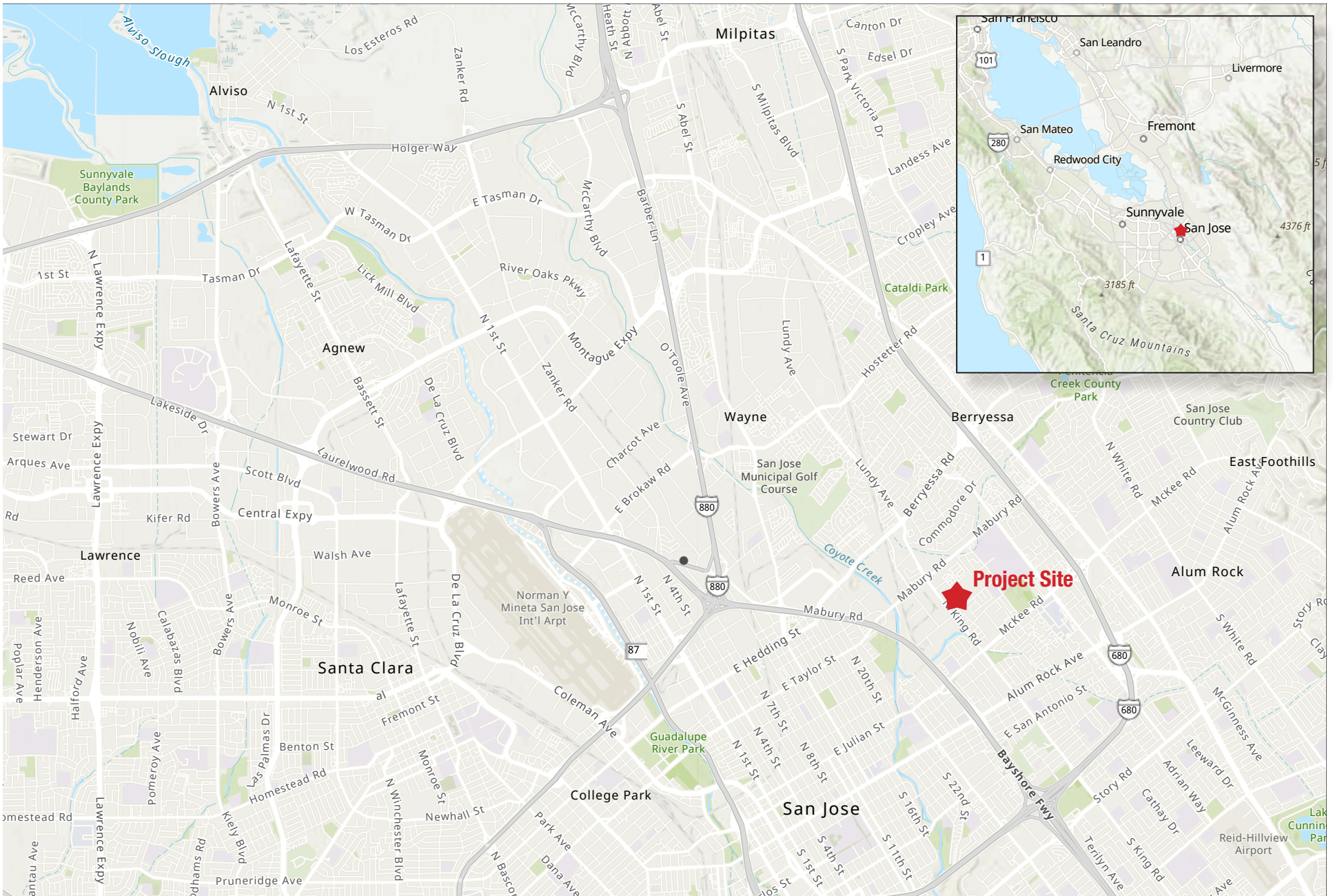
The proposed warehouse building would include 27 loading dock doors for trailer, box, and recycling trucks on the western side of the warehouse building. The proposed project also includes surface parking with 47 trailer stalls and 122 automobile stalls on site. Of the 119 automobile spaces provided, 48 spaces would be Electric Vehicle (EV) capable. Automobile parking would be located east of the warehouse building while the trailer parking would be located west of the warehouse building. Additionally, 13 motorcycle parking spaces and 7 bicycle racks would be located around the office space. The primary pedestrian entrance to the building would be provided from Las Plumas. Access to the project site would be provided from two driveways on Las Plumas Avenue and one driveway on North King Road.

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<sup>1</sup> Per email communication with Project Applicant on December 7, 2021.

The existing site has mature landscape vegetation including trees and shrubs along the site boundary. Project implementation would remove existing vegetation on site, including 163 trees. No existing trees would remain. The removed trees would be replaced according to tree replacement ratios required by the City. Additional landscaping throughout the site would include a mix of trees, shrubs and groundcover. Landscape coverage would be provided along the eastern, southern, and western boundaries of the building.

The project site is designated as Light Industrial (LI) by the General Plan, which allows for warehousing uses. The project site is zoned as Light Industrial (LI). The LI Zoning District allows for warehouse, light to medium manufacturing, and wholesale establishments.



Source: USGS, 2021

**Figure 1: Regional Map**  
650 North King Road Project



Not to scale



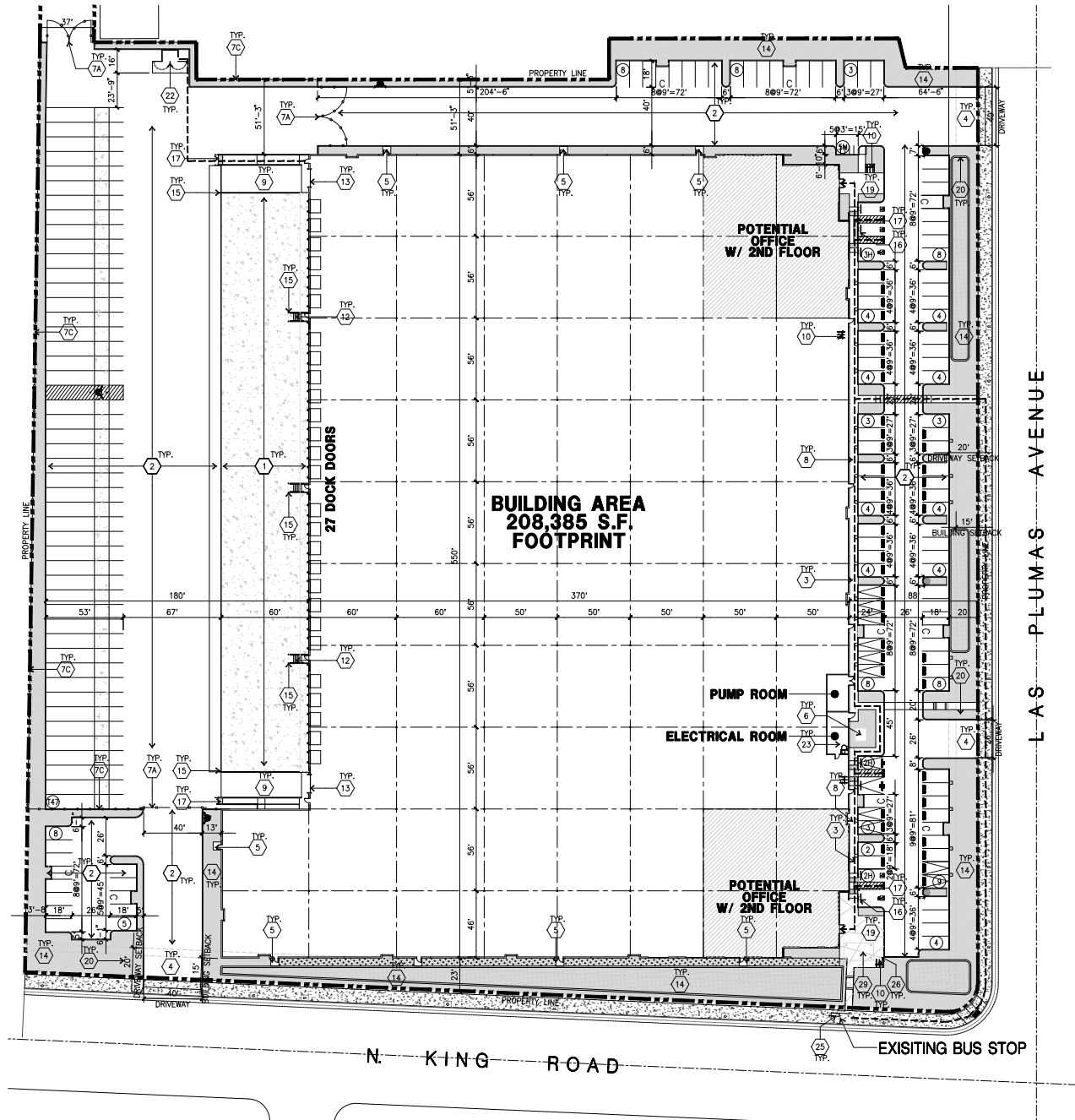
Source: USGS, 2021

**Figure 2: Project Vicinity Map**  
650 North King Road Project



Not to scale





Source: Project Plans for SP20-033, 2021

**Figure 3: Site Plan**  
650 North King Road Project



## 2 ENVIRONMENTAL SETTING

### 2.1 CLIMATE AND METEOROLOGY

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The project is located within the San Francisco Bay Area Air Basin (Basin). This Basin comprises all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties, the southern portion of Sonoma County, and the southwestern portion of Solano County. Air quality in this area is determined by such natural factors as topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions. These factors along with applicable regulations are discussed below. The Bay Area Air Quality Management District (BAAQMD) is responsible for local control and monitoring of criteria air pollutants throughout the Basin.

Climate, or the average weather condition, affects air quality in several ways. Wind patterns can remove or add air pollutants emitted by stationary or mobile sources. Inversion, a condition where warm air traps cooler air underneath it, can hold pollutants near the ground by limiting upward mixing (dilution). Topography also affects the local climate, as valleys often trap emissions by limiting lateral dispersal.

The inversions typical of winter, called radiation inversions, are formed as heat quickly radiates from the earth's surface after sunset, causing the air in contact with it to rapidly cool. Radiation inversions are strongest on clear, low-wind, cold winter nights, allowing the build-up of such pollutants as carbon monoxide and particulate matter. When wind speeds are low, there is little mechanical turbulence to mix the air, resulting in a layer of warm air over a layer of cooler air next to the ground. During radiation inversions downwind transport is slow, the mixing depths are shallow, and turbulence is minimal, all factors which contribute to ozone formation.

The frequency of hot, sunny days during the summer months in the Basin is another important factor that affects air pollution potential. It is at the higher temperatures that ozone is formed. In the presence of ultraviolet sunlight and warm temperatures, reactive organic gases and oxides of nitrogen react to form secondary photochemical pollutants, including ozone.

The climate is dominated by the location and strength of a semi-permanent, subtropical high-pressure cell. In the summer, the Pacific cell is centered over the northeastern Pacific Ocean, resulting in stable meteorological conditions and a steady northwesterly wind flow. Upwelling of cold ocean water from below the surface because of the northwesterly flow produces a band of cold water off the coast which results in condensation and the presence of fog and stratus clouds along the coast. In the winter, the high-pressure cell weakens and shifts southward, resulting in increased wind flow offshore, the absence of upwelling, and the occurrence of storms.

The Basin is characterized by moderately wet winters (November through March) and dry summers. The rainfall in the mountains reaches 40 inches while the valley sees less than 16 inches. Generally, coastal temperatures can be 35 degrees Fahrenheit cooler than temperatures 15 to 20 miles inland. At night, this contrast usually decreases to less than 10 degrees Fahrenheit. In the winter, the relationship of minimum and maximum temperatures is reversed.

The project site is located in the City of San José and Santa Clara County; on the southern perimeter of the San Francisco Bay. The City of San José has a generally mild climate, with average temperatures in the low 80's Fahrenheit in the summer and high 50's Fahrenheit in the winter. The annual rainfall is approximately 15 inches in the City, primarily between November and April. The regulatory section below discusses the various buffer zones around sources of air pollution sufficient to avoid adverse health and nuisance impacts on nearby receptors.

## 2.2 AIR POLLUTANTS OF PRIMARY CONCERN

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state laws. These regulated air pollutants are known as "criteria air pollutants" and are categorized into primary and secondary pollutants. Primary air pollutants are those that are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), coarse particulate matter (PM<sub>10</sub>), fine particulate matter (PM<sub>2.5</sub>), and lead are primary air pollutants. Of these, CO, NO<sub>x</sub>, SO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are criteria pollutants. ROG and NO<sub>x</sub> are criteria pollutant precursors and go on to form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, the criteria pollutant ozone (O<sub>3</sub>) is formed by a chemical reaction between ROG and NO<sub>x</sub> in the presence of sunlight. O<sub>3</sub> and nitrogen dioxide (NO<sub>2</sub>) are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in [Table 1: Air Contaminants and Associated Public Health Concerns](#).

Ozone, or smog, is not emitted directly into the environment, but is formed in the atmosphere by complex chemical reactions between ROG and NO<sub>x</sub> in the presence of sunlight. Ozone formation is greatest on warm, windless, sunny days. The main sources of NO<sub>x</sub> and ROG, often referred to as ozone precursors, are combustion processes (including motor vehicle engines) the evaporation of solvents, paints, and fuels, and biogenic sources. Automobiles are the single largest source of ozone precursors in the Basin. Tailpipe emissions of ROG are highest during cold starts, hard acceleration, stop-and-go conditions, and slow speeds. They decline as speeds increase up to about 50 miles per hour (mph), then increase again at high speeds and high engine loads. ROG emissions associated with evaporation of unburned fuel depend on vehicle and ambient temperature cycles. Nitrogen oxide emissions exhibit a different curve; emissions decrease as the vehicle approaches 30 mph and then begin to increase with increasing speeds.

Ozone levels usually build up during the day and peak in the afternoon hours. Short-term exposure can irritate the eyes and cause constriction of the airways. Besides causing shortness of breath, it can aggravate existing respiratory diseases such as asthma, bronchitis and emphysema. Chronic exposure to high ozone levels can permanently damage lung tissue. Ozone can also damage plants and trees, and materials such as rubber and fabrics.

**Table 1: Air Contaminants and Associated Public Health Concerns**

Pollutant	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM <sub>10</sub> and PM <sub>2.5</sub> )	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.
Ozone (O <sub>3</sub> )	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC) <sup>1</sup> and nitrogen oxides (NO <sub>x</sub> ) in the presence of sunlight. Motor vehicle exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO <sub>2</sub> )	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO <sub>2</sub> )	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone. Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead (Pb)	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood, bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to lead may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ.
<p><sup>1</sup> Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation).</p> <p>Source: California Air Pollution Control Officers Association (CAPCOA), <i>Health Effects</i>, <a href="http://capcoa.org/health-effects/">capcoa.org/health-effects/</a>, accessed August 10, 2020.</p>		

## Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes more than 200 compounds, including particulate emissions from diesel-fueled engines.

CARB identified diesel particulate matter (DPM) as a toxic air contaminant. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

## 2.3 AMBIENT AIR QUALITY

CARB monitors ambient air quality at approximately 250 air monitoring stations across the state. Air quality monitoring stations usually measure pollutant concentrations ten feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. Existing levels of ambient air quality, historical trends, and projections near the project site are documented by measurements made by the Bay Area Air Quality Management District (BAAQMD)'s air pollution regulatory agency that maintains air quality monitoring stations, which process ambient air quality measurements.

Ozone (O<sub>3</sub>) and particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>) are pollutants of concern in the BAAQMD. The closest air monitoring station to the project site that monitors ambient concentrations of these pollutants is the San Jose-Jackson Street Monitoring Station located approximately 2.6 miles northeast of the project site. Local air quality data from 2017 to 2019 is provided in [Table 2: Ambient Air Quality Data](#) lists the monitored maximum concentrations and number of exceedances of federal or state air quality standards for each year. Particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>) were both exceeded in 2019 at the closest monitoring station.

**Table 2: Ambient Air Quality Data**

Pollutant	San Jose- Jackson Street <sup>1</sup>		
	2017	2018	2019
<b>Ozone (O<sub>3</sub>)</b>			
1-hour Maximum Concentration (ppm)	0.121	0.078	0.095
8-hour Maximum Concentration (ppm)	0.098	0.061	0.081
<i>Number of Days Standard Exceeded</i>			
CAAQS 1-hour (>0.09 ppm)	3	0	1
NAAQS 8-hour (>0.070 ppm)	4	0	2
<b>Carbon Monoxide (CO)</b>			
1-hour Maximum Concentration (ppm)	2.15	2.51	1.71
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1 hour (>20 ppm)	0	0	0
<b>Nitrogen Dioxide (NO<sub>2</sub>)</b>			
1-hour Maximum Concentration (ppm)	0.0675	0.0861	0.0598
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>0.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
<b>Particulate Matter Less Than 2.5 Microns (PM<sub>2.5</sub>)</b>			
National 24-hour Maximum Concentration	49.7	133.9	27.6
State 24-hour Maximum Concentration	49.7	133.9	34.4
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>150 µg/m <sup>3</sup> )	6	15	0
CAAQS 24-hour (>50 µg/m <sup>3</sup> )	11	13	13
<b>Particulate Matter Less Than 10 Microns (PM<sub>10</sub>)</b>			
National 24-hour Maximum Concentration	69.4	115.4	75.4
State 24-hour Maximum Concentration	69.8	121.8	77.1
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>150 µg/m <sup>3</sup> )	0	0	0
CAAQS 24-hour (>50 µg/m <sup>3</sup> )	6	4	4
NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m <sup>3</sup> = micrograms per cubic meter; NM = not measured <sup>1</sup> Measurements taken at the San Jose-Jackson Street Monitoring Station located at 156B Jackson Street, San Jose, California 95112 (CARB# 43383).			
Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (arb.ca.gov/adam) except for CO, which were retrieved from the CARB Air Quality and Meteorological Information System (https://www.arb.ca.gov/aqmis2/aqdselect.php, https://www.arb.ca.gov/qaweb/siteinfo.php).			

## 2.4 SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of air pollution than the general population. Sensitive receptors in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes.

The project site is located in an urban area in City of San José. The surrounding land uses are predominantly commercial and industrial, with some residences to the east. The eastern boundary of the

site is Las Plumas Avenue. Table 3: Sensitive Receptors, lists the distances and locations of nearby sensitive receptors.

**Table 3: Sensitive Receptors**

Receptor Description	Distance and Direction from the Project Site
Multi-family Residences	60 feet east
Single-family residential community	165 feet east
Multi-family Residences	320 feet west
St. Thomas Syriac Orthodox Church	650 feet north
Independence Adult Center	1,320 feet northeast
Educational Park Branch Library	1,650 feet northeast

### 3 REGULATORY SETTING

#### 3.1 FEDERAL

##### Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the EPA developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including ozone, NO<sub>2</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and lead. Depending on whether the standards are met or exceeded, the local air basin is classified as in “attainment” or “nonattainment.” Some areas are unclassified, which means no monitoring data are available. Unclassified areas are considered to be in attainment. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires that each state prepare a State Implementation Plan (SIP) to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The U.S. Environmental Protection Agency (EPA) has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in [Table 4: State of California](#).

##### California Air Resources Board

CARB administers California’s air quality policy. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in [Table 4](#), are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates. In general, the Bay Area experiences low concentrations of most pollutants when compared to federal standards, except for O<sub>3</sub> and PM, for which standards are exceeded periodically. With respect to federal standards, the Bay Area’s attainment status for 8-hour ozone is classified as “marginal nonattainment” and “nonattainment” for PM<sub>2.5</sub>. The region is also considered to be in nonattainment with the CAAQS for PM<sub>10</sub> and PM<sub>2.5</sub>. Area sources generate the majority of these airborne particulate emissions. The Basin is considered in attainment or unclassified with respect to the CO, NO<sub>2</sub> and SO<sub>2</sub> NAAQS and CAAQS.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the SIP for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a State standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in [Table 4](#).



**Table 4: State and Federal Ambient Air Quality Standards**

Pollutant	Averaging Time	State Standards <sup>1</sup>		Federal Standards <sup>2</sup>	
		Concentration	Attainment Status	Concentration <sup>3</sup>	Attainment Status
Ozone (O <sub>3</sub> )	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )	N <sup>9</sup>	0.070 ppm	N <sup>4</sup>
	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	N	NA	N/A <sup>5</sup>
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )	A	9 ppm (10 mg/m <sup>3</sup> )	A <sup>6</sup>
	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	A	35 ppm (40 mg/m <sup>3</sup> )	A
Nitrogen Dioxide (NO <sub>2</sub> )	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	A	0.100 ppm <sup>11</sup>	U
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )	-	0.053 ppm (100 µg/m <sup>3</sup> )	A
Sulfur Dioxide <sup>12</sup> (SO <sub>2</sub> )	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )	A	0.14 ppm (365 µg/m <sup>3</sup> )	A
	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	A	0.075 ppm (196 µg/m <sup>3</sup> )	A
	Annual Arithmetic Mean	NA	-	0.03 ppm (80 µg/m <sup>3</sup> )	A
Particulate Matter (PM <sub>10</sub> )	24-Hour	50 µg/m <sup>3</sup>	N	150 µg/m <sup>3</sup>	-U
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>	N <sup>7</sup>	NA	-
Fine Particulate Matter (PM <sub>2.5</sub> ) <sup>15</sup>	24-Hour	NA	-	35 µg/m <sup>3</sup>	U/A
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	N <sup>7</sup>	12 µg/m <sup>3</sup>	N
Sulfates (SO <sub>4-2</sub> )	24 Hour	25 µg/m <sup>3</sup>	A	NA	-
Lead (Pb) <sup>13, 14</sup>	30-Day Average	1.5 µg/m <sup>3</sup>	-	NA	A
	Calendar Quarter	NA	-	1.5 µg/m <sup>3</sup>	A
	Rolling 3-Month Average	NA	-	0.15 µg/m <sup>3</sup>	-
Hydrogen Sulfide (H <sub>2</sub> S)	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	U	NA	-
Vinyl Chloride (C <sub>2</sub> H <sub>3</sub> Cl)	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	-	NA	-
Visibility Reducing Particles <sup>8</sup>	8 Hour (10:00 to 18:00 PST)	-	U	-	-

A = attainment; N = nonattainment; U = unclassified; N/A = not applicable or no applicable standard; ppm = parts per million; µg/m<sup>3</sup> = micrograms per cubic meter; mg/m<sup>3</sup> = milligrams per cubic meter; - = not indicated or no information available.

- California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM<sub>10</sub>, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e., all standards except for lead and the PM<sub>10</sub> annual standard), then some measurements may be excluded. In particular, measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe CO standard is 6.0 ppm, a level one-half the national standard and two-thirds the state standard.
- National standards shown are the "primary standards" designed to protect public health. National standards other than for ozone, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour ozone standard is attained when the 3-year average of the 4<sup>th</sup> highest daily concentrations is 0.070 ppm (70 ppb) or less. The 24-hour PM<sub>10</sub> standard is attained when the 3-year average of the 99<sup>th</sup> percentile of monitored concentrations is less than 150 µg/m<sup>3</sup>. The 24-hour PM<sub>2.5</sub> standard is attained when the 3-year average of 98<sup>th</sup> percentiles is less than 35 µg/m<sup>3</sup>. Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM<sub>10</sub> is met if the 3-year average falls below the standard at every site. The annual PM<sub>2.5</sub> standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard.
- National air quality standards are set by the EPA at levels determined to be protective of public health with an adequate margin of safety.

4. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the fourth-highest maximum daily 8-hour ozone concentration per year, averaged over three years, is equal to or less than 0.070 ppm. EPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the ozone level in the area.
5. The national 1-hour ozone standard was revoked by U.S. EPA on June 15, 2005.
6. In April 1998, the Bay Area was redesignated to attainment for the national 8-hour carbon monoxide standard.
7. In June 2002, CARB established new annual standards for PM<sub>2.5</sub> and PM<sub>10</sub>.
8. Statewide VRP Standard (except Lake Tahoe Air Basin): Particles in sufficient amount to produce an extinction coefficient of 0.23 per kilometer when the relative humidity is less than 70 percent. This standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.
9. The 8-hour CA ozone standard was approved by the Air Resources Board on April 28, 2005 and became effective on May 17, 2006.
10. On January 9, 2013, EPA issued a final rule to determine that the Bay Area attains the 24-hour PM<sub>2.5</sub> national standard. This EPA rule suspends key SIP requirements as long as monitoring data continues to show that the Bay Area attains the standard. Despite this EPA action, the Bay Area will continue to be designated as “nonattainment” for the national 24-hour PM<sub>2.5</sub> standard until such time as the Air District submits a “redesignation request” and a “maintenance plan” to EPA, and EPA approves the proposed redesignation.
11. To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 0.100ppm (effective January 22, 2010). The US Environmental Protection Agency (EPA) expects to make a designation for the Bay Area by the end of 2017.
12. On June 2, 2010, the U.S. EPA established a new 1-hour SO<sub>2</sub> standard, effective August 23, 2010, which is based on the 3-year average of the annual 99<sup>th</sup> percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO<sub>2</sub> NAAQS however must continue to be used until one year following U.S. EPA initial designations of the new 1-hour SO<sub>2</sub> NAAQS.
13. CARB has identified lead and vinyl chloride as ‘toxic air contaminants’ with no threshold level of exposure below which there are no adverse health effects determined.
14. National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.
15. In December 2012, EPA strengthened the annual PM<sub>2.5</sub> National Ambient Air Quality Standards (NAAQS) from 15.0 to 12.0 micrograms per cubic meter (µg/m<sup>3</sup>). In December 2014, EPA issued final area designations for the 2012 primary annual PM<sub>2.5</sub> NAAQS. Areas designated “unclassifiable/attainment” must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.

Source: Bay Area Air Quality Management District, *Air Quality Standards and Attainment Status*, 2017 <http://www.baaqmd.gov/research-and-data/air-quality-standards-and-attainment-status>.

## 3.2 REGIONAL

### Bay Area Air Quality Management District

The BAAQMD is the regional agency with jurisdiction over the nine-county region located in the Basin. The Association of Bay Area Governments (ABAG), Metropolitan Transportation Commission (MTC), county transportation agencies, cities and counties, and various nongovernmental organizations also join in the efforts to improve air quality through a variety of programs. These programs include the adoption of regulations and policies, as well as implementation of extensive education and public outreach programs.

### Clean Air Plan

Air quality plans developed to meet federal requirements are referred to as State Implementation Plans. The federal and state Clean Air Acts require plans to be developed for areas designated as nonattainment (with the exception of areas designated as nonattainment for the state PM<sub>10</sub> standard). The BAAQMD is responsible for developing a Clean Air Plan, which guides the region’s air quality planning efforts to attain the CAAQS. The BAAQMD adopted the 2017 Clean Air Plan: Spare the Air, Cool the Climate on April 19, 2019, by the BAAQMD.

BAAQMD periodically develops air quality plans that outline the regional strategy to improve air quality and protect the climate. The most recent plan, 2017 Bay Area Clean Air Plan, includes a wide range of control measures designed to reduce emissions of air pollutants and GHGs, including the following

examples that may be relevant to this project: reduce emissions of toxic air contaminants by adopting more stringent limits and methods for evaluating toxic risks; implement pricing measures to reduce travel demand; accelerate the widespread adoption of electric vehicles; promote the use of clean fuels; promote energy efficiency in both new and existing buildings; and promote the switch from natural gas to electricity for space and water heating in Bay Area buildings.

The 2017 Clean Air Plan provides a regional strategy to protect public health and protect the climate. To protect public health, the plan describes how the BAAQMD will continue progress toward attaining all state and federal air quality standards and eliminating health risk disparities from exposure to air pollution among Bay Area communities. To protect the climate, the 2017 Clean Air Plan defines a vision for transitioning the region to a post-carbon economy needed to achieve ambitious greenhouse gas (GHG) reduction targets for 2030 and 2050 and provides a regional climate protection strategy that will put the Bay Area on a pathway to achieve those GHG reduction targets. The 2017 Clean Air Plan contains district-wide control measures to reduce ozone precursor emissions (i.e., ROG and NO<sub>x</sub>), particulate matter, TACs, and greenhouse gas emissions. The Bay Area 2017 Clean Air Plan updates the Bay Area 2010 Clean Air Plan in accordance with the requirements of the California Clean Air Act to implement “all feasible measures” to reduce ozone; provides a control strategy to reduce ozone, PM, TACs, and greenhouse gases in a single, integrated plan; reviews progress in improving air quality in recent years; and establishes emission control measures to be adopted or implemented in both the short term and through 2050.

The 2017 Clean Air Plan includes a wide range of control measures designed to decrease emissions of the air pollutants that are most harmful to Bay Area residents, such as particulate matter, ozone, and toxic air contaminants; to reduce emissions of methane and other “super-GHGs” that are potent climate pollutants in the near-term; and to decrease emissions of carbon dioxide by reducing fossil fuel combustion.

The following BAAQMD rules would limit emissions of air pollutants from construction and operation of the project:

- Regulation 8, Rule 3 – Architectural Coatings. This rule governs the manufacture, distribution, and sale of architectural coatings and limits the reactive organic gases content in paints and paint solvents. Although this rule does not directly apply to the project, it does dictate the ROG content of paint available for use during the construction.
- Regulation 8, Rule 15 – Emulsified and Liquid Asphalts. This rule dictates the reactive organic gases content of asphalt available for use during construction through regulating the sale and use of asphalt and limits the ROG content in asphalt. Although this rule does not directly apply to the project, it does dictate the ROG content of asphalt for use during the construction.
- Regulation 9, Rule 8 – Organic Compounds. This rule limits the emissions of nitrogen oxides and carbon monoxide from stationary internal combustion engines with an output rated by the manufacturer at more than 50 brake horsepower.

BAAQMD prepared an Ozone Attainment Demonstration Plan to satisfy the federal 1-hour ozone planning requirement because of the Air Basin’s nonattainment for federal and State ozone standards. The U.S. EPA revoked the 1-hour ozone standard and adopted an 8-hour ozone standard. The BAAQMD will address the new federal 8-hour ozone planning requirements once they are established.

### 3.3 LOCAL

#### City of San José General Plan

The San José General Plan includes the following policies intended to control or reduce air pollution impacts:

- Policy MS-10.1:** Assess projected air emissions from new development in conformance with the BAAQMD CEQA Guidelines and relative to state and federal standards. Identify and implement feasible air emissions reduction measures.
- Policy MS - 10.2:** States that the City should take into consideration the cumulative air quality impacts from proposed developments for proposed land use designation changes and new development, consistent with the region's Clean Air Plan and State law.
- Policy MS-10.4:** Encourage effective regulation of mobile and stationary sources of air pollution, both inside and outside of San José. In particular, support Federal and State regulations to improve automobile emission controls.
- Policy MS – 10.6:** Encourage mixed land use development near transit lines and provide retail and other types of service-oriented uses within walking distance to minimize automobile dependent development.
- Policy MS – 10.7:** Encourage regional and statewide air pollutant emission reduction through energy conservation to improve air quality.
- Policy MS - 11.2:** For projects that emit toxic air contaminants, require project proponents to prepare health risk assessments in accordance with BAAQMD-recommended procedures as part of environmental review and employ effective mitigation to reduce possible health risks to a less than significant level. Alternatively, require new projects (such as, but not limited to, industrial, manufacturing, and processing facilities) that are sources of TACs to be located an adequate distance from residential areas and other sensitive receptors.
- Policy MS-11.6:** Develop and adopt a comprehensive Community Risk Reduction Plan that includes: baseline inventory of toxic air contaminants (TACs) and particulate matter smaller than 2.5 microns (PM<sub>2.5</sub>), emissions from all sources, emissions reduction targets, and enforceable emission reduction strategies and performance measures. The Community Risk Reduction Plan will include enforcement and monitoring tools to ensure regular review of progress toward the emission reduction targets, progress reporting to the public and responsible agencies, and periodic updates of the plan, as appropriate.
- Policy MS-11.7:** Consult with BAAQMD to identify stationary and mobile TAC sources and determine the need for and requirements of a health risk assessment for proposed developments.

- Policy MS-11.8:** For new projects that generate truck traffic, require signage which reminds drivers that the State truck idling law limits truck idling to five minutes.
- Policy MS-12.2:** Require new residential development projects and projects categorized as sensitive receptors to be located an adequate distance from facilities that are existing and potential sources of odor. An adequate separation distance will be determined based upon the type, size and operations of the facility
- Policy MS-13.1:** Include dust, particulate matter, and construction equipment exhaust control measures as conditions of approval for subdivision maps, site development and planned development permits, grading permits, and demolition permits. At minimum, conditions shall conform to construction mitigation measures recommended in the current BAAQMD CEQA Guidelines for the relevant project size and type.
- Policy MS-13.3:** Construction and/or demolition projects that have the potential to disturb asbestos (from soil or building material) shall comply with all the requirements of the California Air Resources Board's air toxic control measures (ATCMs) for Construction, Grading, Quarrying, and Surface Mining Operations.

## 4 SIGNIFICANCE CRITERIA AND METHODOLOGY

### 4.1 AIR QUALITY THRESHOLDS

#### State CEQA Guidelines Appendix G

Based upon the criteria derived from State CEQA Guidelines Appendix G, a project normally would have a significant effect on the environment if it would:

- AQ-1 Conflict with or obstruct implementation of the applicable air quality plan?
- AQ-2 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?
- AQ-3 Expose sensitive receptors to substantial pollutant concentrations?
- AQ-4 Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

#### Air Quality Thresholds

Under the California Environmental Quality Act (CEQA), the Bay Area Air Quality Management District (BAAQMD) is an expert commenting agency on air quality within its jurisdiction or impacting its jurisdiction. Under the Federal Clean Air Act (FCAA), the BAAQMD has adopted Federal attainment plans for O<sub>3</sub> and PM<sub>2.5</sub>. The BAAQMD reviews projects to ensure that they would not: (1) cause or contribute to any new violation of any air quality standard; (2) increase the frequency or severity of any existing violation of any air quality standard; or (3) delay timely attainment of any air quality standard or any required interim emission reductions or other milestones of any Federal attainment plan.

The BAAQMD Options and Justification Report (dated October 2009) establishes thresholds based on substantial evidence, and the thresholds are consistent with the thresholds outlined within the 2010/2011 BAAQMD CEQA Air Quality Guidelines (and current 2017 CEQA Air Quality Guidelines). The thresholds have been developed by the BAAQMD in order to attain State and Federal ambient air quality standards. Therefore, projects below these thresholds would not violate an air quality standard and would not contribute substantially to an existing or projected air quality violation.

The BAAQMD's CEQA Air Quality Guidelines provides significance thresholds for both construction and operation of projects. Ultimately the lead agency determines the thresholds of significance for impacts. However, if a project proposes development in excess of the established thresholds, as outlined in [Table 5: Bay Area Air Quality Management District Emissions Thresholds](#), a significant air quality impact may occur and additional analysis is warranted to fully assess the significance of impacts.

**Table 5: Bay Area Air Quality Management District Emissions Thresholds**

Criteria Air Pollutants and Precursors (Regional)	Construction-Related	Operational-Related	
	Average Daily Emissions (pounds/day)	Average Daily Emission (pounds/day)	Annual Average Emission (tons/year)
Reactive Organic Gases (ROG)	54	54	10
Nitrogen Oxides (NO <sub>x</sub> )	54	54	10
Coarse Particulates (PM <sub>10</sub> )	82 (exhaust)	82	15
Fine Particulates (PM <sub>2.5</sub> )	54 (exhaust)	54	10
PM <sub>10</sub> /PM <sub>2.5</sub> (fugitive dust)	Best Management Practices	None	
Local CO	None	9.0 ppm (8-hour average) 20.0 ppm (1-hour average)	

Source: Bay Area Air Quality Management District, 2017 CEQA Air Quality Guidelines, 2017.

## 4.2 METHODOLOGY

This air quality impact analysis considers construction and operational impacts associated with the project. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Air quality impacts were assessed according to methodologies recommended by CARB and the BAAQMD.

Construction equipment, trucks, worker vehicles, and ground-disturbing activities associated with project construction would generate emissions of criteria air pollutants and precursors. Air quality impacts were assessed according to CARB and BAAQMD recommended methodologies. Daily regional construction emissions are estimated by assuming construction occurs at the earliest feasible date (i.e., a conservative estimate of construction activities) and applying off-road, fugitive dust, and on-road emissions factors in CalEEMod.

Project operations would result in emissions of area sources (consumer products), energy sources (natural gas usage), and mobile sources (motor vehicles from project generated vehicle trips). Project-generated increases in operational emissions would be predominantly associated with motor vehicle use. The increase of traffic over existing conditions as a result of the project was obtained from the project's Transportation Analysis prepared by Kimley-Horn (August 2020). Emissions rates in CalEEMod have been updated with CARB SAFE Rule adjustment factors and EMFAC2017 emission rates consistent with the methodology described in Section 5.2 *Methodology for Converting EMFAC2014 Emission Rates into CalEEMod Vehicle Emission Factors* of Appendix A: *Calculation Details for CalEEMod* in the *CalEEMod User Guide*. Other operational emissions from area, energy, and stationary sources were quantified in CalEEMod based on land use activity data.

As discussed above, the BAAQMD provides significance thresholds for emissions associated with proposed project construction and operations. The proposed project's construction and operational emissions are compared to the daily criteria pollutant emissions significance thresholds in order to determine the significance of the project's impact on regional air quality.

## 5 POTENTIAL IMPACTS AND MITIGATION

### 5.1 AIR QUALITY ANALYSIS

Threshold AQ-1: Would the Project conflict with or obstruct implementation of the applicable air quality plan?

The most recently adopted plan, the Clean Air Plan, in the Basin outlines how the San Francisco area will attain air quality standards, reduce population exposure and protect public health, and reduce GHG emissions.

The Clean Air Plan assumptions for projected air emissions and pollutants in the City of San José are based on the Envision San José 2040 General Plan Land Use Designation Map which designates the project site use as “Light Industrial (LI)”. The project site is zoned “Light Industrial (LI)”. The LI Zoning District allows for warehouse, light to medium manufacturing, and wholesale establishments. The project would be consistent with the development assumptions for the land use. Therefore, the project is consistent with the General Plan assumptions. The proposed project consists of 225,280 square feet of industrial/commercial/office space consistent with the Envision San José 2040 General Plan Supplemental Program EIR land use designation and would not increase the regional population growth or cause changes in vehicle traffic that would obstruct implementation of the Clean Air Plan in the San Francisco Bay Area Basin.

As described below, construction and operational air quality emissions generated by the proposed project would not exceed the BAAQMD’s emissions thresholds. Since the proposed project would not exceed these thresholds, the proposed project would not be considered by the BAAQMD to be a substantial emitter of criteria air pollutants, and would not contribute to any non-attainment areas in the Basin.

The project is anticipated to generate 121 jobs within the City. ABAG predicts that job opportunities in the City of San José will grow from 387,510 in 2010 to 554,875 by 2040. As of 2015, there are 359,128 job opportunities in the City<sup>2</sup>. The project is consistent with the City General Plan, therefore the addition of 207 new jobs would be within the ABAG growth projections for the City of approximately 554,875 job by 2040 and would not exceed the ABAG growth projections for the City As identified in the General Plan FEIR, the City currently has an existing ratio of jobs per resident of 0.8. The General Plan FEIR identified that at full buildout of the General Plan, the existing ratio of jobs per employed resident would be increased to a job per employed resident ratio of 1.3. The increase in jobs would incrementally decrease the overall jobs/housing imbalance within the City. The project would not exceed the level of population or housing in regional planning efforts. Additionally, the proposed project would not significantly affect regional vehicle miles travelled pursuant to the CEQA Guidelines (Section 15206). Therefore, population growth from the project would be consistent with ABAG’s projections for the City and with the City’s General Plan.

A project would be consistent with the 2017 Clean Air Plan Progress Report if it would not exceed the growth assumptions in the plan. The primary method of determining consistency with the 2017 Clean Air Plan growth assumptions is consistency with the General Plan land use designations and zoning

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<sup>2</sup> City of San José. Envision San José 2040 General Plan DEIR.



designations for the site. It should be noted that the Clean Air Plan does not make a specific assumption for development on the site, but bases assumptions on growth in population, travel, and business, based on socioeconomic forecasts. As noted above, the project would not exceed the growth assumptions in the General Plan. Therefore, the growth assumptions in the Clean Air Plan would not be exceeded.

Given that approval of a project would not result in significant and unavoidable air quality impacts after the application of all feasible project conditions, the project is considered consistent with the 2017 Clean Air Plan. In addition, projects are considered consistent with the 2017 Clean Air Plan if they incorporate all applicable and feasible control measures from the 2017 Clean Air Plan and would not disrupt or hinder implementation of any 2017 Clean Air Plan control measures.

The project is consistent with the 2017 Clean Air Plan policies that are applicable to the project site. As discussed in [Table 6: Project Consistency with Applicable Clean Air Plan Control Measures](#), the project would comply with City, State, and regional requirements.

**Table 6: Project Consistency with Applicable Clean Air Plan Control Measures**

Control Measure	Project Consistency
<b>Stationary Source Control Measures</b>	
SS21: New Source Review of Toxic Air Contaminants	<b>Consistent.</b> The project would not include uses that would generate new sources of TAC that would impact nearby sensitive receptors. The building design accommodates interior uses such as e-commerce, warehousing, assembly, fabrication, wholesaling, related office and similar uses that are not heavy industrial or would exhaust TACs.
SS25: Coatings, Solvents, Lubricants, Sealants and Adhesives	<b>Consistent.</b> The project would comply with Regulation 8, Rule 3: Architectural Coatings, which would dictate the ROG content of paint available for use during construction.
SS26: Surface Prep and Cleaning Solvent	
SS29: Asphaltic Concrete	<b>Consistent.</b> Paving activities associated with the project would be required to utilize asphalt that does not exceed BAAQMD emission standards in Regulation 8, Rule 15.
SS30: Residential Fan Type Furnaces	<b>Consistent.</b> BAAQMD is the responsible party for implementation of this regulation. The project would use the latest central furnaces that comply with the applicable regulations. The project would not conflict with BAAQMD's implementation of that measure.
SS31: General Particulate Matter Emissions Limitation	<b>Consistent.</b> This control measure is implemented by the BAAQMD through Regulation 6, Rule 1. This Rule Limits the quantity of particulate matter in the atmosphere by controlling emission rates, concentration, visible emissions and opacity. The project would be required to comply with applicable BAAQMD rules.
SS32: Emergency Back-up Generators	<b>Consistent.</b> Use of back-up generators by the project is currently not anticipated. However, if emergency generators were to be installed they would be required to meet the BAAQMD's emissions standards for back-up generators.
SS33: Commercial Cooking Equipment	<b>Consistent.</b> The project does not include the potential development of restaurant facilities. However, if any kitchen facilities or restaurants occur and they install a charbroiler, a catalytic oxidizer system must also be installed pursuant to BAAQMD Rule 6-2.

Control Measure	Project Consistency
SS34: Wood Smoke	<b>Consistent.</b> The project would comply with BAAQMD Regulation 6, Rule 3 and prohibit the construction of wood burning appliances/ fireplaces.
SS36: Particulate Matter from Trackout	<b>Consistent.</b> Mud and dirt that may be tracked out onto the nearby public roads during construction activities would be removed promptly by the contractor based on BAAQMD's requirements and City Standard Permit Conditions.
SS37: Particulate Matter from Asphalt Operations	<b>Consistent.</b> Paving and roofing activities associated with the project would be required to utilize best management practices to minimize the particulate matter created from the transport and application of road and roofing asphalt.
SS38: Fugitive Dust	<b>Consistent.</b> Material stockpiling and trackout during grading activities as well as smoke and fumes from paving and roofing asphalt operations would be required to utilize best management practices, such as watering exposed surfaces twice a day, covering haul trucks, keeping vehicle speeds on unpaved roads under 15 mph, to minimize the creation of fugitive dust. See City of San José Standard Permit Conditions for a more detailed list.
SS40: Odors	<b>Consistent.</b> The project is an industrial development and is not anticipated to generate odors. The project would comply with BAAQMD Regulation 7 to strengthen odor standards and enhance enforceability.
<b>Transportation Control Measures</b>	
TR2: Trip Reduction Programs	<b>Consistent.</b> The project would include a number of travel demand measures (TDM) such as mix of land uses and ride sharing. These TDM Programs would help reduce vehicle miles traveled (VMT) and mobile greenhouse gas emissions.
TR8: Ridesharing and Last-Mile Connections	
TR9: Bicycle and Pedestrian Access Facilities	<b>Consistent.</b> Bicycle facilities in the area include North King Road, McKee Road, Mabury Road, and Berryessa Road, which provide Class II bike lanes with buffered striping to separate the vehicle and bike travel way. The proposed project would include 12 bicycle parking spaces.
TR10: Land Use Strategies	<b>Consistent.</b> This measure is a BAAQMD funding tool to maintain and disseminate information on current climate action plans and other local best practices and collaborate with regional partners to identify innovative funding mechanisms to help local governments address air quality and climate change in their general plans. In addition, the proposed project site is located within 2,000 feet of a transit stop at King / Las Plumas Avenue intersection. Therefore, these employment opportunities would be easily accessible via transit, furthering the City's General Plan goals to support a healthy community, reduce traffic congestion and decrease greenhouse gas emissions and energy consumption. The project would not conflict with implementation of this measure.
TR13: Parking Policies	<b>Consistent.</b> The proposed project would create approximately 166 new parking spaces (47 trailer spaces and 119 automobile spaces). The proposed parking is sufficient for the proposed uses.
TR19: Medium and Heavy Duty Trucks	<b>Consistent.</b> The project includes a warehousing use that would generate truck trips. However, per the transportation analysis prepared for the project indicated there would be approximately 127 daily truck

Control Measure	Project Consistency
	trips. The project would not conflict with the implementation of this measure.
TR22: Construction, Freight and Farming Equipment	<b>Consistent.</b> The Project would comply through implementation of the BAAQMD standard condition, which requires construction equipment to be properly maintained.
<b>Energy and Climate Control Measures</b>	
EN1: Decarbonize Electricity Generation	<b>Consistent.</b> The project would be constructed in accordance with the latest California Building Code and green building regulations/CalGreen. The proposed development would be constructed in compliance with the City's Council Policy 6-32 and the City's Green Building Ordinance.
EN2: Decrease Electricity Demand	
<b>Buildings Control Measures</b>	
BL1: Green Buildings	<b>Consistent.</b> The project would be constructed in accordance with the latest California Building Code and green building regulations/CalGreen. The proposed development would be constructed in compliance with the City's Council Policy 6-32 and the City's Green Building Ordinance.
L2: Decarbonize Buildings	
BL4: Urban Heat Island Mitigation	<b>Consistent.</b> The project would demolish existing warehouse buildings and associated asphalt surfaces. The project would include some landscaping.
<b>Natural and Working Lands Control Measures</b>	
NW2: Urban Tree Planting	<b>Not Applicable.</b> The project site is in an existing warehouse building. The project includes landscaping with native vegetation and trees.
<b>Waste Management Control Measures</b>	
WA1: Landfills	<b>Consistent.</b> The waste service provider for the project would be required to meet the AB341 and SB 939, 1374, and 1383 requirements that require waste service providers to divert and recycle waste. Per Cal Green requirements the project would recycle construction waste.
WA3: Green Waste Diversion	
WA4: Recycling and Waste Reduction	
<b>Water Control Measures</b>	
WR2: Support Water Conservation	<b>Consistent.</b> The project would implement water conservation measures and low flow fixtures as required by Title 24, CalGreen, and the City of San Jose's Municipal Code Section 15-11 Water Efficient Landscaping Ordinance, which includes various specifications for plant types, water features, and irrigation design etc.
Source: BAAQMD, Clean Air Plan, 2017 and Kimley-Horn & Associates, 2021.	

The addition of 121 new jobs as a result of the proposed project would be within the ABAG growth projections for the City of approximately 554,875 jobs by 2040. When compared to the estimated 128 jobs provided at the site from existing employers, the project would result in an estimated net decrease of 7 jobs. Therefore, population growth from the project would be consistent with ABAG's projections for the City and with the City's General Plan. In addition, the City of San José is "housing-rich", and the increase of jobs would promote a jobs/housing balance that is closer to 1 to 1. Population growth from the project would be consistent with ABAG's projections for the City and with the City's General Plan. Thus, the project would not exceed the assumptions in the General Plan or the Clean Air Plan.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

**Threshold AQ-2:** Would the Project 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?

### Construction Emissions

Project construction activities would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the project area include ozone-precursor pollutants (i.e., ROG and NO<sub>x</sub>) and PM<sub>10</sub> and PM<sub>2.5</sub>. Construction-generated emissions are short term and temporary, lasting only while construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the BAAQMD's thresholds of significance.

Construction results in the temporary generation of emissions during demolition, site preparation, site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities, as well as weather conditions and the appropriate application of water. For this project, site preparation includes the excavation and removal of previously identified contaminated soils.

The duration of construction activities associated with the project are estimated to last approximately 12 months, beginning in July 2022 and concluding at the end of June 2023. The project's construction-related emissions were calculated using the BAAQMD-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Project demolition and site preparation are anticipated to begin in July 2022 and last approximately two months. Project grading and construction is anticipated to begin in August 2022 and last approximately 10 months and will import approximately 10,000 cubic yards (cy) of soil (requiring approximately 1,250 hauling truck trips). The Project would also require approximately 1,500 cy of contaminated soil to be off hauled and backfilled during site preparation, which would require approximately 375 hauling truck trips. Paving and Architectural Coating were modeled to be completed June 2023. The exact construction timeline is unknown; however, to be conservative, earlier dates were utilized in the modeling. This approach is conservative given that emissions factors decrease in future years due to regulatory and technological improvements and fleet turnover. See [Appendix A: Air Quality Modeling Data](#) for additional information regarding the construction assumptions used in this analysis. The project's predicted maximum daily construction-related emissions are summarized in [Table 7: Construction-Related Emissions](#).

**Table 7: Construction-Related Emissions**

Construction Year	Pollutant (maximum pounds per day) <sup>1</sup>					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO <sub>x</sub> )	Exhaust		Fugitive Dust	
			Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
<b>Unmitigated</b>						
2022	3.77	42.27	1.67	1.53	20.30	10.27
2023	45.49	19.59	0.80	0.76	2.45	0.66
<b>Maximum</b>	<b>45.49</b>	<b>43.29</b>	<b>1.68</b>	<b>1.54</b>	<b>20.30</b>	<b>10.27</b>

Construction Year	Pollutant (maximum pounds per day) <sup>1</sup>					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO <sub>x</sub> )	Exhaust		Fugitive Dust	
			Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
<i>BAAQMD Significance Threshold</i> <sup>2, 3</sup>	54	54	82	54	BMPs	BMPs
Exceed BAAQMD Threshold?	No	No	No	No	N/A	N/A
<b>Mitigated</b>						
2022	1.30	13.48	0.16	0.16	9.00	4.48
2023	44.29	6.68	0.13	0.13	2.32	0.63
Maximum	<b>44.29</b>	<b>13.48</b>	<b>0.16</b>	<b>0.16</b>	<b>9.00</b>	<b>4.48</b>
<i>BAAQMD Significance Threshold</i> <sup>2, 3</sup>	54	54	82	54	BMPs	BMPs
Exceed BAAQMD Threshold?	No	No	No	No	N/A	N/A
<p>1. Emissions were calculated using CalEEMod. Mitigated emissions include compliance with the BAAQMD's Basic Construction Mitigation Measures Recommended for All projects and the City of San José Environmental Standard Conditions. These measures include the following: water exposed surfaces two times daily; cover haul trucks; clean track outs with wet powered vacuum street sweepers; limit speeds on unpaved roads to 15 miles per hour; complete paving as soon as possible after grading; limit idle times to 5 minutes; properly maintain mobile and other construction equipment; and post a publicly visible sign with contact information to register dust complaints and take corrective action within 48 hours. The mitigated emissions also include implementation of Mitigation Measure AQ-1, which requires the use of construction equipment that meets CARB Tier 4 Final emissions standards to reduce construction health risk impacts at nearby sensitive receptors.</p> <p>2. Bay Area Air Quality Management District, California Environmental Quality Act Air Quality Guidelines, updated May 2017.</p> <p>3. BMPs = Best Management Practices. The BAAQMD recommends the implementation of all Basic Construction Mitigation Measures, whether or not construction-related emissions exceed applicable significance thresholds. Implementation of Basic Construction Mitigation measures are considered to mitigate fugitive dust emissions to be less than significant.</p> <p>Source: Refer to the CalEEMod outputs provided in Appendix A.</p>						

***Fugitive Dust Emissions.*** Fugitive dust emissions are associated with land clearing, ground excavation, cut-and-fill operations, demolition, and truck travel on unpaved roadways. Dust emissions also vary substantially from day to day, depending on the level of activity, the specific operations, and weather conditions. Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. The BAAQMD recommends the implementation of all Basic Construction Control Measures, whether or not construction-related emissions exceed applicable significance and the project would implement the BAAQMD Basic Construction Control Measures as a Standard Permit Condition to control dust at the project site during all phases of construction.

### **Standard Permit Condition**

These measures would be placed on the project plan documents prior to the issuance of any grading permits for the proposed project.

- i. Water active construction areas at least twice daily or as often as needed to control dust emissions.

- ii. Cover trucks hauling soil, sand, and other loose materials and/or ensure that all trucks hauling such materials maintain at least two feet of freeboard.
- iii. Remove visible mud or dirt track-out onto adjacent public roads using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- iv. Enclose, cover, water twice daily or apply non-toxic soil binders to exposed stockpiles (dirt, sand, etc.).
- v. Pave new or improved roadways, driveways, and sidewalks as soon as possible.
- vi. Lay building pads as soon as possible after grading unless seeding or soil binders are used.
- vii. Replant vegetation in disturbed areas as quickly as possible.
- viii. Install sandbags or other erosion control measures to prevent silt runoff to public roadways.
- ix. Minimizing idling times either by shutting off equipment when not in use, or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Provide clear signage for construction workers at all access points.
- x. Maintain and properly tune construction equipment in accordance with manufacturer's specifications. Check all equipment by a certified mechanic and record a determination of running in proper condition prior to operation.
- xi. Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints.

Construction Equipment and Worker Vehicle Exhaust. Exhaust emission factors for typical diesel-powered heavy equipment are based on the CalEEMod program defaults. Variables factored into estimating the total construction emissions include: level of activity, length of construction period, number of pieces/types of equipment in use, site characteristics, weather conditions, number of construction personnel, and the amount of materials to be transported onsite or offsite. Exhaust emissions from construction activities include emissions associated with the transport of machinery and supplies to and from the project site, emissions produced on site as the equipment is used, and emissions from trucks transporting materials and workers to and from the site. Emitted pollutants would include ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The BAAQMD recommends the implementation of all Basic Construction Control Measures, whether or not construction-related emissions exceed applicable significance thresholds. See the above listed Standard Permit Conditions. As detailed in Table 7, project construction emissions would not the BAAQMD thresholds and construction emissions would not result in a potentially significant impact. Therefore, construction air quality impacts would be less than significant.

ROG Emissions. In addition to gaseous and particulate emissions, the application of asphalt and surface coatings creates ROG emissions, which are O<sub>3</sub> precursors. In accordance with the methodology prescribed by the BAAQMD, the ROG emissions associated with paving have been quantified with CalEEMod.

The highest concentration of ROG emissions would be generated from architectural coating beginning in spring 2023 and lasting approximately three months. This phase includes the interior and exterior painting as well as striping of all paved parking areas and driveways. Paints would be required to comply with BAAQMD Regulation 8, Rule 3: Architectural Coating. Regulation 8, Rule 3 provides specifications on painting practices and regulates the ROG content of paint.

**Summary.** As shown in Table 7, all criteria pollutant emissions would remain below their respective thresholds. BAAQMD considers fugitive dust emissions to be potentially significant without implementation of the Construction Control Measures which help control fugitive dust. NO<sub>x</sub> emissions are primarily generated by engine combustion in construction equipment, haul trucks, and employee commuting, requiring the use of newer construction equipment with better emissions controls would reduce construction-related NO<sub>x</sub> emissions. With implementation of the Standard Permit Condition, project condition of approval, the proposed project's construction would not worsen ambient air quality, create additional violations of federal and state standards, or delay the Basin's goal for meeting attainment standards. Impacts would be less than significant.

### Operational Emissions

Operational emissions for industrial developments are typically generated from mobile sources (burning of fossil fuels in cars); energy sources (cooling and heating); and area sources (landscape equipment and household products).

Table 8: Maximum Daily Project Operational Emissions shows that the project's maximum emissions would not exceed BAAQMD operational thresholds.

**Table 8: Maximum Daily Project Operational Emissions**

Emissions Source	Pollutant (maximum pounds per day) <sup>1</sup>					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO <sub>x</sub> )	Exhaust		Fugitive Dust	
			Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
<b>Existing Project Site</b>						
Area	3.39	0.00	0.00	0.00	0.00	0.00
Energy	0.01	0.13	0.01	0.01	0.00	0.00
Mobile	1.40	2.00	0.03	0.03	3.05	0.81
<b>Total Emissions</b>	<b>4.80</b>	<b>2.13</b>	<b>0.04</b>	<b>0.04</b>	<b>3.05</b>	<b>0.81</b>
<b>Proposed Project</b>						
Area	5.58	0.00	0.00	0.00	0.00	0.00
Energy	0.07	0.61	0.05	0.05	0.00	0.00
Mobile	1.51	26.76	0.23	0.22	7.25	2.00
<b>Total Project Emissions</b>	<b>7.16</b>	<b>27.37</b>	<b>0.28</b>	<b>0.27</b>	<b>7.25</b>	<b>2.00</b>
<b>Net Emissions</b>						
Existing Project Site	4.80	2.13	0.04	0.04	3.05	0.81
Proposed Project	7.16	27.37	0.28	0.27	7.25	2.00
<b>Net Change</b>	<b>+2.36</b>	<b>+25.24</b>	<b>+0.24</b>	<b>+0.23</b>	<b>+4.20</b>	<b>+1.19</b>
<i>BAAQMD Significance Threshold<sup>2</sup></i>	54	54	82	54	N/A	N/A
<b>BAAQMD Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>N/A</b>	<b>N/A</b>
<small>1. Emissions were calculated using CalEEMod.            2. Bay Area Air Quality Management District, <i>California Environmental Quality Act Air Quality Guidelines</i>, 2017.            Source: Refer to the CalEEMod outputs provided in Appendix A, Air Quality Modeling Data.</small>						

**Area Source Emissions** Area source emissions would be generated due to the use consumer products, architectural coating, and landscaping.

**Energy Source Emissions**. Energy source emissions would be generated as a result of electricity and natural gas usage associated with the project. The primary use of electricity and natural gas by the project would be for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

**Mobile Sources**. Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are all pollutants of regional concern (NO<sub>x</sub> and ROG react with sunlight to form O<sub>3</sub> [photochemical smog], and wind currents readily transport PM<sub>10</sub> and PM<sub>2.5</sub>). However, CO tends to be a localized pollutant, dispersing rapidly at the source. Project-generated vehicle emissions have been estimated using CalEEMod. Trip generation rates associated with the project were based on the Project Transportation Analysis prepared by Kimley-Horn (2021). Based on the Transportation Analysis, the project would result in a gross total of 535 daily vehicle trips. However, with applicable trip reductions including location-based mode-share the project would result in a net of 492 new trips. The existing site generates 496 vehicle trips, therefore the project would not generate any additional daily trips.

**Total Operational Emissions**. As indicated in [Table 8](#), net project operational emissions would not exceed BAAQMD thresholds. As noted above, the BAAQMD has set its CEQA significance threshold based on the trigger levels for the federal NSR Program and BAAQMD's Regulation 2, Rule 2 for new or modified sources. The NSR Program was created to ensure projects are consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, the project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts would occur. Project operational emissions would be less than significant.

### **Cumulative Short-Term Emissions**

The SFBAAB is designated nonattainment for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> for State standards and nonattainment for O<sub>3</sub> and PM<sub>2.5</sub> for Federal standards. discussed above, the project's construction-related emissions would not have the potential to exceed the BAAQMD significance thresholds for criteria pollutants.

Since these thresholds indicate whether an individual project's emissions have the potential to affect cumulative regional air quality, it can be expected that the project-related construction emissions would not be cumulatively considerable. The BAAQMD recommends Basic Construction Control Measures for all projects whether or not construction-related emissions exceed the thresholds of significance. Compliance with BAAQMD construction-related mitigation requirements are considered to reduce cumulative impacts at a Basin-wide level. As a result, construction emissions associated with the project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

### **Cumulative Long-Term Impacts**

The BAAQMD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size,



by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. The BAAQMD developed the operational thresholds of significance based on the level above which a project's individual emissions would result in a cumulatively considerable contribution to the Basin's existing air quality conditions. Therefore, a project that exceeds the BAAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.<sup>3</sup>

As shown in Table 8, the project's operational emissions would not exceed BAAQMD thresholds. As a result, operational emissions associated with the project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact with compliance with standard conditions and City policies.

**Threshold AQ-3:** Would the Project expose sensitive receptors to substantial pollutant concentrations?

Sensitive land uses are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. The State CEQA Guidelines indicate that a potentially significant impact could occur if a project would expose sensitive receptors to substantial pollutant concentrations. CO concentrations would be well below the state and Federal standards according to the General Plan Final EIR.

### **Construction Toxic Air Contaminants**

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust which is a known Toxic Air Contaminants (TAC). Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. However, the use of diesel-powered construction equipment would be episodic and would occur in various phases throughout the project site. Construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Division 3, Article 1, Chapter 10, Sections 2485 and 2449), which reduce DPM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions.

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust which is a known Toxic Air Contaminants (TAC). Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. However, the use of diesel-powered construction equipment would be episodic and would occur in various phases throughout the project site. Construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13,

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<sup>3</sup> In developing thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions (BAAQMD CEQA Guidelines page 2-1).

Division 3, Article 1, Chapter 10, Sections 2485 and 2449), which reduce DPM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions.

As noted in the Health Risk Assessment prepared by Kimley-Horn (2021), maximum (worst case) PM<sub>2.5</sub> exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. See the HRA for additional methodology on the modeling analysis. Risk levels were calculated with the CARB Hotspots Analysis and Reporting Program (HARP) Risk Assessment Standalone Tool (RAST) based on the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, Air Toxics Hot Spots Program Risk Assessment Guidelines (February 2015). Results of this assessment are summarized in [Table 9: Construction Risk](#).

**Table 9: Construction Risk**

Emissions Sources	Pollutant Concentration (µg/m <sup>3</sup> )	Cancer Risk (per Million)	Chronic Hazard	Acute Hazard
<b>Unmitigated</b>				
Construction	0.42	26.15	0.02	0.17
<i>BAAQMD Threshold</i>	<i>0.3</i>	<i>10</i>	<i>1.0</i>	<i>1.0</i>
<b>Threshold Exceeded?</b>	<b>Yes</b>	<b>Yes</b>	<b>No</b>	<b>No</b>
<b>Mitigated</b>				
Construction	0.06	2.90	0.002	0.024
<i>BAAQMD Threshold</i>	<i>0.3</i>	<i>10</i>	<i>1.0</i>	<i>1.0</i>
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
1. Heavy-duty off-road construction equipment would also meet CARB Tier 4 Final emissions standards per Mitigation Measure HRA-1. Refer to <a href="#">Appendix A: Air Quality Modeling Data</a> .				

Maximum unmitigated concentration of PM<sub>2.5</sub> during construction would be 0.42 µg/m<sup>3</sup>, which would exceed the BAAQMD threshold of 0.3 µg/m<sup>3</sup>. The highest calculated unmitigated carcinogenic risk from project construction would be 26.15 per million, which would exceed the BAAQMD threshold of 10 in one million. The maximally exposed individual (MEI) during construction (i.e., the closest sensitive receptor) to the project site are the residences across Las Plumas Avenue (approximately 60 feet away).

Mitigation Measure HRA-1 requires the use of construction equipment that would meet CARB Tier 4 Final emissions standards in order to reduce diesel exhaust construction emissions. Mitigation Measure HRA-1 would reduce the project PM<sub>2.5</sub> concentration to 0.06 µg/m<sup>3</sup> and would reduce the project's maximum cancer risk to 2.90 per million, which are below the BAAQMD thresholds of 0.3 µg/m<sup>3</sup> and 10 in one million, respectively. Non-cancer hazards for DPM would be below BAAQMD threshold, with a chronic hazard index computed at 0.02 and an acute hazard index of 0.17 without mitigation and 0.002 and 0.024 with mitigation. Acute and chronic hazards would be below the BAAQMD significance threshold of 1.0. As described above, construction risk levels would be below the BAAQMD's thresholds with Mitigation Measure HRA-1. Construction risk levels would be less than significant with mitigation.

## Operational Toxic Air Contaminants

The project would demolish the four existing buildings onsite and construct a new 225,280 square feet office/warehouse industrial building. According to the Transportation Analysis prepared, the project would include passenger vehicles, vans, and trucks. The project is anticipated to generate approximately net 492 daily vehicle trips. As shown in [Table 10: Operational Risk Assessment Results](#), the highest calculated carcinogenic risk resulting from the project is 0.69 per million residents, which is below the BAAQMD threshold of 10 per million. Acute and chronic hazards also would be below the BAAQMD significance threshold of 1.0. Operational mobile impacts would be less than significant.

**Table 10: Operational Risk Assessment Results**

Exposure Scenario	Pollutant Concentration ( $\mu\text{g}/\text{m}^3$ )	Maximum Cancer Risk (Risk per Million)	Chronic Noncancer Hazard	Acute Noncancer Hazard
Particulate Matter (PM <sub>2.5</sub> )	0.004	0.69	0.0002	0.002
<i>Threshold</i>	<i>NA</i>	<i>10</i>	<i>1.0</i>	<i>1.0</i>
<b>Exceed Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Refer to <a href="#">Appendix A: Modeling Data</a> .				
1. The maximum cancer would be experienced at a residences along Las Plumas Avenue southeast of the Project site based on worst-case exposure durations for the Project, 95 <sup>th</sup> percentile breathing rates, and 30-year exposure duration.				

The pollutant concentrations modeled in AERMOD represent the exposure levels outdoors. The BAAQMD conservatively does not include indoor exposure adjustments for residents. However, the typical person spends the majority of time indoors rather than remaining outdoors in the same location for 24 hours a day.<sup>4</sup> Therefore, the AERMOD outdoor pollutant concentrations are not necessarily representative of actual exposure at the project site, and tend to overestimate exposure.

## Cumulative Health Risk Analysis

In addition to mobile sources, stationary sources within a 1,000-foot radius of the project site were reviewed using BAAQMD's Stationary Source Screening Analysis Tools. There were no stationary sources located within a 1,000-foot radius of the project site. [Table 11: Cumulative Operational Health Risk](#), below shows the cumulative health risk values for the proposed project.

**Table 11: Cumulative Operational Health Risk**

Emissions Sources	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	Cancer Risk (per million)	Hazard
Project Mobile Emissions	0.004	0.69	0.0002
Major Street Sources <sup>1</sup>	0.05	2.34	0.2
Highway Sources <sup>1</sup>	0.47	24.36	1.88
Railway Sources <sup>1</sup>	0.002	1.02	0.008

<sup>4</sup> California Air Resources Board Research Division and University of California, Berkeley, *Activity Patterns of California Residents*, May 1991. The study indicates that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and 6 hours in other indoor locations, for a total of 21 hours (87% of the day). Approximately two hours per day were spent in transit, and just over one hour per day was spent in outdoor locations.

Emissions Sources	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Cancer Risk (per million)	Hazard
<b>Cumulative Health Risk Values</b>	<b>0.53</b>	<b>28.41</b>	<b>2.09</b>
<i>BAAQMD Cumulative Threshold</i>	<i>0.8</i>	<i>100</i>	<i>10</i>
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>
1. BAAQMD GIS data. Source: BAAQMD's Stationary Source Data and GIS Mapping Tools, 2021.			

Cumulative impacts are defined as two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. As described above, the project is more than 1,000 feet away from the closest sensitive receptors and would be outside the zone of influence as defined by the BAAQMD. Worst-case PM<sub>2.5</sub> concentrations and chronic hazard levels for the project would be well below the BAAQMD's thresholds. CEQA Guidelines 15065(a)(3) states "... 'Cumulatively considerable' means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects."

As described above in [Table 11](#), cumulative impacts related to cancer risk and hazard would be less than cumulatively considerable and within acceptable limits. Additionally, cumulative residential PM<sub>2.5</sub> would not exceed the BAAQMD's cumulative threshold of 0.8 µg/m<sup>3</sup>, the primary contributor to those concentrations is the existing highway sources near the project area. The existing highway sources have a high PM<sub>2.5</sub> (0.47 µg/m<sup>3</sup>). The highway sources represent approximately 89 percent of the total concentrations and are completely unrelated to the project. The project represents less than 0.75 percent of total cumulative PM<sub>2.5</sub> in the project area. Therefore, the project's cumulative impacts would be less than significant.

The incremental effect of the individual project is less than significant.<sup>5</sup> As the project is more than 1,000 feet away from sensitive receptors it would not have a combined effect. As such, although the related cumulative TAC sources in the project area exceed BAAQMD cumulative thresholds for cancer risk, the project's incremental effects would not be cumulatively considerable. Therefore, the project's cumulative impacts would be less than significant.

### Mobile Sources

The project would not place sensitive receptors within 1,000-feet of a major roadway (mobile TAC source). Additionally, the project's effects to existing vehicle distribution and travel speeds would be nominal. According to the Transportation Analysis, the project would generate 492 net new daily trips. Any changes to vehicle distribution and travel speeds can affect vehicle emissions rates, although these changes would be minimal and would not substantially change criteria pollutant emissions, which are primarily driven by vehicle miles travelled (VMT). Traffic is also predominantly light-duty and gasoline powered and therefore any shifts in traffic would not constitute a change in substantial cancer risk. The project does not involve

<sup>5</sup> CEQA case law has held that any additional emissions in an impacted area does not necessarily create a significant cumulative impact, finding that "the 'one [additional] molecule rule' is not the law" (Communities for a Better Environment v. California Resources Agency (2002) 103 Cal. App. 4th 98, 120).

the increase of transit trips or routes and would not generate increased emissions from expanded service (e.g., increased bus idling service).

### **Carbon Monoxide Hotspots**

The primary mobile-source criteria pollutant of local concern is carbon monoxide. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Transport of this criteria pollutant is extremely limited; CO disperses rapidly with distance from the source under normal meteorological conditions. Under certain meteorological conditions, however, CO concentrations close to congested intersections that experience high levels of traffic and elevated background concentrations may reach unhealthy levels, affecting nearby sensitive receptors. Areas of high CO concentrations, or “hot spots,” are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. CO concentration modeling is therefore typically conducted for intersections that are projected to operate at unacceptable levels of service during peak commute hours.

The Basin is designated as in attainment for carbon monoxide (CO). Emissions and ambient concentrations of CO have decreased dramatically in the Basin with the introduction of the catalytic converter in 1975. No exceedances of the CAAQS or NAAQS for CO have been recorded at nearby monitoring stations since 1991. As a result, the BAAQMD screening criteria notes that CO impacts may be determined to be less than significant if a project would not increase traffic volumes at local intersections to more than 44,000 vehicles per hour, or 24,000 vehicles per hour for locations in heavily urban areas, where “urban canyons” formed by buildings tend to reduce air circulation. Traffic would increase along surrounding roadways during long-term operational activities.

According to the Transportation Analysis prepared for the project (2021), the project would generate not generate any net new daily trips. The project’s effects to existing vehicle distribution and travel speeds would be nominal. Therefore, the project would not involve intersections with more than 24,000 or 44,000 vehicles per hour. As a result, the project would not have the potential to create a CO hotspot and impacts would be less than significant.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

Threshold AQ-4:            Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

### **Construction**

According to the BAAQMD, land uses associated with odor complaints typically include wastewater treatment plants, landfills, confined animal facilities, composting stations, food manufacturing plants, refineries, and chemical plants. The project does not include any uses identified by the BAAQMD as being associated with odors.

Construction activities associated with the project may generate detectable odors from heavy duty equipment (i.e., diesel exhaust), as well as from architectural coatings and asphalt off-gassing. Odors generated from the referenced sources are common in the man-made environment and are not known

to be substantially offensive to adjacent receptors. Any construction-related odors would be short-term in nature and cease upon project completion. As a result, impacts to existing adjacent land uses from construction-related odors would be short-term in duration and therefore would be less than significant.

### **Operational**

BAAQMD has established odor screening thresholds for land uses that have the potential to generate substantial odor complaints, including wastewater treatment plants, landfills or transfer stations, composting facilities, confined animal facilities, food manufacturing, and chemical plants. BAAQMD's thresholds for odors are qualitative based on BAAQMD's Regulation 7, Odorous Substances. This rule places general limitations on odorous substances and specific emission limitations on certain odorous compounds.

The project includes a 225,280 square foot office/warehouse industrial building which is not anticipated to generate odors. None of the above listed odor generating uses are located near the project site. Impacts would be less than significant.

**Mitigation Measures:** Compliance with General Plan Policies and applicable state and local law would reduce impacts associated with odors to a less than significant level. No additional site-specific mitigation measures are required.

**Level of Significance:** Less than significant impact.

## 5.2 CUMULATIVE SETTING, IMPACTS, AND MITIGATION MEASURES

### Cumulative Setting

The cumulative setting for air quality includes the City and the Air Basin. The Air Basin is designated as a nonattainment area for state standards of ozone,  $PM_{10}$ , and  $PM_{2.5}$  and federal standards of ozone and  $PM_{2.5}$ , attainment and serious maintenance for federal  $PM_{10}$  standards, and is designated as unclassified or attainment for all other pollutants. Cumulative growth in population and vehicle use could inhibit efforts to improve regional air quality and attain the ambient air quality standards.

### Cumulative Impacts and Mitigation Measures

The BAAQMD CEQA Air Quality Guidelines do not include separate significance thresholds for cumulative operational emissions. However, with respect to regional air pollution, the development of the project would result in population growth that is consistent with ABAG projections and the City General Plan. Therefore, the project would be consistent with the 2017 Clean Air Plan that uses ABAG population forecasts.

As described in threshold AQ-1 above, the project would also be consistent with the appropriate 2017 Clean Air Plan control measures, which are provided to reduce air quality emissions for the entire Bay Area region. Additionally, the discussion in threshold AQ-2 addresses cumulative impacts and demonstrates that the project would not exceed the applicable BAAQMD thresholds for construction or operations. The BAAQMD CEQA Air Quality Guidelines note that the nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size by itself to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. Consistency with the 2017 Clean Air Plan control measures would ensure that the project would not cumulatively contribute to air quality impacts in the Basin. Therefore, impacts would be less than significant.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

## 6 REFERENCES

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2. Bay Area Air Quality Management District, *CEQA Air Quality Guidelines*, 2017.
3. Bay Area Air Quality Management District, *Clean Air Plan*, 2017.
4. Bay Area Air Quality Management District, *Air Quality Standards and Attainment Status*, 2017.
5. Bay Area Air Quality Management District, *Current Rules*, 2017.
6. California Air Pollution Control Officers Association (CAPCOA), *Health Effects*, 2018.
7. California Air Pollution Control Officers Association (CAPCOA), *Health Risk Assessments for Proposed Land Use Projects*, 2009.
8. California Air Resources Board, *Aerometric Data Analysis and Measurement System (ADAM) Top Four Summaries from 2015 to 2017*, 2018.
9. California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective*, 2005.
10. California Air Resources Board, *Current Air Quality Standards*, 2016.
11. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, 2000.
12. City of San José, *General Plan*, 2018.
13. City of San José, *Municipal Code*, 2019.
14. Federal Highway Administration, *Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents*, 2016.
15. Kimley-Horn & Associates, *650 North King Road Development Transportation Analysis*, August 2021.
16. Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, 2015.
17. United States Environmental Protection Agency, *National Ambient Air Quality Standards Table*, 2016.
18. United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants*, 2018.
19. United States Environmental Protection Agency, *Policy Assessment for the Review of the Lead National Ambient Air Quality Standards*, 2013.



# Appendix A

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## Air Quality Modeling Data

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**N King Road Existing  
Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	135.04	1000sqft	3.10	135,044.00	0
Parking Lot	224.70	1000sqft	5.16	224,700.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - existing conditions
- Construction Phase - no construction - existing conditions
- Demolition -
- Grading -
- Vehicle Trips - Per transportation study
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance
- Water Mitigation -

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Waste Mitigation - per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	3/31/2021	3/3/2021
tblVehicleTrips	ST_TR	1.74	3.67
tblVehicleTrips	SU_TR	1.74	3.67
tblVehicleTrips	WD_TR	1.74	3.67

**2.0 Emissions Summary**

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N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	3.3845	3.4000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0787	0.0787	2.1000e-004		0.0840
Energy	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7345	149.7345	2.8700e-003	2.7500e-003	150.6243
Mobile	1.5232	1.7523	14.4774	0.0306	3.0456	0.0282	3.0738	0.8108	0.0264	0.8373		3,116.5932	3,116.5932	0.1753	0.1324	3,160.4374
<b>Total</b>	<b>4.9214</b>	<b>1.8774</b>	<b>14.6191</b>	<b>0.0314</b>	<b>3.0456</b>	<b>0.0378</b>	<b>3.0834</b>	<b>0.8108</b>	<b>0.0361</b>	<b>0.8469</b>		<b>3,266.4065</b>	<b>3,266.4065</b>	<b>0.1783</b>	<b>0.1352</b>	<b>3,311.1457</b>

**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	3.3845	3.4000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0787	0.0787	2.1000e-004		0.0840
Energy	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7345	149.7345	2.8700e-003	2.7500e-003	150.6243
Mobile	1.5232	1.7523	14.4774	0.0306	3.0456	0.0282	3.0738	0.8108	0.0264	0.8373		3,116.5932	3,116.5932	0.1753	0.1324	3,160.4374
<b>Total</b>	<b>4.9214</b>	<b>1.8774</b>	<b>14.6191</b>	<b>0.0314</b>	<b>3.0456</b>	<b>0.0378</b>	<b>3.0834</b>	<b>0.8108</b>	<b>0.0361</b>	<b>0.8469</b>		<b>3,266.4065</b>	<b>3,266.4065</b>	<b>0.1783</b>	<b>0.1352</b>	<b>3,311.1457</b>

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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
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	Demolition	Demolition	3/4/2021	3/3/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.16

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

**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
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**







N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	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	0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	1.5232	1.7523	14.4774	0.0306	3.0456	0.0282	3.0738	0.8108	0.0264	0.8373		3,116.5932	3,116.5932	0.1753	0.1324	3,160.4374
Unmitigated	1.5232	1.7523	14.4774	0.0306	3.0456	0.0282	3.0738	0.8108	0.0264	0.8373		3,116.5932	3,116.5932	0.1753	0.1324	3,160.4374

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	496.02	496.02	496.02	1,448,126	1,448,126
<b>Total</b>	<b>496.02</b>	<b>496.02</b>	<b>496.02</b>	<b>1,448,126</b>	<b>1,448,126</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	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
Parking Lot	0.567742	0.054883	0.190502	0.116880	0.020652	0.004894	0.008289	0.006425	0.000966	0.000407	0.024432	0.000950	0.002978
Unrefrigerated Warehouse-No Rail	0.567742	0.054883	0.190502	0.116880	0.020652	0.004894	0.008289	0.006425	0.000966	0.000407	0.024432	0.000950	0.002978

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	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	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7345	149.7345	2.8700e-003	2.7500e-003	150.6243
NaturalGas Unmitigated	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7345	149.7345	2.8700e-003	2.7500e-003	150.6243

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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					
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
Unrefrigerated Warehouse-No Rail	1272.74	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7345	149.7345	2.8700e-003	2.7500e-003	150.6243
<b>Total</b>		<b>0.0137</b>	<b>0.1248</b>	<b>0.1048</b>	<b>7.5000e-004</b>		<b>9.4800e-003</b>	<b>9.4800e-003</b>		<b>9.4800e-003</b>	<b>9.4800e-003</b>		<b>149.7345</b>	<b>149.7345</b>	<b>2.8700e-003</b>	<b>2.7500e-003</b>	<b>150.6243</b>

**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					
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
Unrefrigerated Warehouse-No Rail	1.27274	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7345	149.7345	2.8700e-003	2.7500e-003	150.6243
<b>Total</b>		<b>0.0137</b>	<b>0.1248</b>	<b>0.1048</b>	<b>7.5000e-004</b>		<b>9.4800e-003</b>	<b>9.4800e-003</b>		<b>9.4800e-003</b>	<b>9.4800e-003</b>		<b>149.7345</b>	<b>149.7345</b>	<b>2.8700e-003</b>	<b>2.7500e-003</b>	<b>150.6243</b>

**6.0 Area Detail**

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	3.3845	3.4000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0787	0.0787	2.1000e-004		0.0840
Unmitigated	3.3845	3.4000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0787	0.0787	2.1000e-004		0.0840

**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	0.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4400e-003	3.4000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0787	0.0787	2.1000e-004		0.0840
<b>Total</b>	<b>3.3845</b>	<b>3.4000e-004</b>	<b>0.0369</b>	<b>0.0000</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>0.0787</b>	<b>0.0787</b>	<b>2.1000e-004</b>		<b>0.0840</b>

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.4115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4400e-003	3.4000e-004	0.0369	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0787	0.0787	2.1000e-004		0.0840
<b>Total</b>	<b>3.3845</b>	<b>3.4000e-004</b>	<b>0.0369</b>	<b>0.0000</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>0.0787</b>	<b>0.0787</b>	<b>2.1000e-004</b>		<b>0.0840</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

N King Road Existing - Santa Clara County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**N King Road  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	65.49	1000sqft	1.50	65,488.00	0
Unrefrigerated Warehouse-No Rail	159.90	1000sqft	3.67	159,897.00	0
Parking Lot	241.14	1000sqft	5.54	241,137.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	203.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Per construction questionnaire
- Demolition -
- Grading - 11,500 cy import, plus 1,500 soil export
- Vehicle Trips - Per transportation study
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance





## N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	20.00	57.00
tblConstructionPhase	NumDays	300.00	138.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	14.00
tblFleetMix	HHD	6.3620e-003	0.60
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.0410e-003	0.17
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	2.8380e-003	0.00
tblFleetMix	MHD	7.8170e-003	0.23
tblFleetMix	OBUS	9.1200e-004	0.00
tblFleetMix	SBUS	9.2700e-004	0.00
tblFleetMix	UBUS	3.8900e-004	0.00
tblGrading	MaterialExported	0.00	1,500.00
tblGrading	MaterialImported	0.00	10,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	65,490.00	65,488.00
tblLandUse	LandUseSquareFeet	159,900.00	159,897.00

## N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblLandUse	LandUseSquareFeet	241,140.00	241,137.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	9.50	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	6.42	3.14
tblVehicleTrips	ST_TR	0.00	0.53
tblVehicleTrips	ST_TR	1.74	1.00
tblVehicleTrips	SU_TR	5.09	3.14
tblVehicleTrips	SU_TR	0.00	0.53
tblVehicleTrips	SU_TR	1.74	1.00
tblVehicleTrips	WD_TR	3.93	3.14
tblVehicleTrips	WD_TR	0.00	0.53
tblVehicleTrips	WD_TR	1.74	1.00

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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					
2022	3.7726	42.2737	30.2424	0.0812	20.2976	1.6658	21.9528	10.2738	1.5336	11.7981	0.0000	8,359.8708	8,359.8708	1.9945	0.7180	8,604.1043
2023	45.4863	19.5903	24.5366	0.0608	2.4453	0.7997	3.2450	0.6603	0.7568	1.4171	0.0000	6,070.3202	6,070.3202	0.7418	0.2912	6,174.7904
<b>Maximum</b>	<b>45.4863</b>	<b>42.2737</b>	<b>30.2424</b>	<b>0.0812</b>	<b>20.2976</b>	<b>1.6658</b>	<b>21.9528</b>	<b>10.2738</b>	<b>1.5336</b>	<b>11.7981</b>	<b>0.0000</b>	<b>8,359.8708</b>	<b>8,359.8708</b>	<b>1.9945</b>	<b>0.7180</b>	<b>8,604.1043</b>

**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					
2022	1.2974	13.4849	34.2000	0.0812	9.0012	0.1638	9.1058	4.4809	0.1593	4.5837	0.0000	8,359.8708	8,359.8708	1.9945	0.7180	8,604.1043
2023	44.2900	6.6825	25.9552	0.0608	2.3226	0.1261	2.4487	0.6301	0.1245	0.7547	0.0000	6,070.3202	6,070.3202	0.7418	0.2912	6,174.7904
<b>Maximum</b>	<b>44.2900</b>	<b>13.4849</b>	<b>34.2000</b>	<b>0.0812</b>	<b>9.0012</b>	<b>0.1638</b>	<b>9.1058</b>	<b>4.4809</b>	<b>0.1593</b>	<b>4.5837</b>	<b>0.0000</b>	<b>8,359.8708</b>	<b>8,359.8708</b>	<b>1.9945</b>	<b>0.7180</b>	<b>8,604.1043</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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
Percent Reduction	7.45	67.40	-9.81	0.00	50.21	88.24	54.14	53.26	87.61	59.60	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	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
Energy	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396
Mobile	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.1900	0.5014	52.3640	32,242.1868
<b>Total</b>	<b>7.1634</b>	<b>27.3732</b>	<b>17.4422</b>	<b>0.1591</b>	<b>7.2497</b>	<b>0.2784</b>	<b>7.5281</b>	<b>2.0045</b>	<b>0.2679</b>	<b>2.2724</b>		<b>17,355.1943</b>	<b>17,355.1943</b>	<b>0.5157</b>	<b>52.3773</b>	<b>32,976.5352</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
Energy	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396
Mobile	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.1900	0.5014	52.3640	32,242.1868
<b>Total</b>	<b>7.1634</b>	<b>27.3732</b>	<b>17.4422</b>	<b>0.1591</b>	<b>7.2497</b>	<b>0.2784</b>	<b>7.5281</b>	<b>2.0045</b>	<b>0.2679</b>	<b>2.2724</b>		<b>17,355.1943</b>	<b>17,355.1943</b>	<b>0.5157</b>	<b>52.3773</b>	<b>32,976.5352</b>

	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
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	Demolition	Demolition	7/1/2022	8/1/2022	5	22	
2	Site Preparation	Site Preparation	8/2/2022	8/20/2022	5	14	
3	Grading	Grading	8/21/2022	11/20/2022	5	65	
4	Building Construction	Building Construction	11/21/2022	5/31/2023	5	138	
5	Architectural Coating	Architectural Coating	4/3/2023	6/20/2023	5	57	
6	Paving	Paving	6/1/2023	6/30/2023	5	22	

**Acres of Grading (Site Preparation Phase): 21**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Acres of Grading (Grading Phase): 195**

**Acres of Paving: 5.54**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 338,078; Non-Residential Outdoor: 112,693; Striped Parking Area: 14,468**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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
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
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

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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
Demolition	6	15.00	0.00	1,430.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	196.00	76.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	39.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0708	0.0000	14.0708	2.1305	0.0000	2.1305			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>14.0708</b>	<b>1.2427</b>	<b>15.3135</b>	<b>2.1305</b>	<b>1.1553</b>	<b>3.2857</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>



N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.3034	11.4495	2.3880	0.0414	1.1370	0.1015	1.2385	0.3117	0.0971	0.4088		4,510.5187	4,510.5187	0.1548	0.7148	4,727.4095
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
Worker	0.0435	0.0321	0.3708	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.5709	102.5709	3.3800e-003	3.1800e-003	103.6028
<b>Total</b>	<b>0.3469</b>	<b>11.4817</b>	<b>2.7588</b>	<b>0.0424</b>	<b>1.2602</b>	<b>0.1021</b>	<b>1.3623</b>	<b>0.3443</b>	<b>0.0977</b>	<b>0.4420</b>		<b>4,613.0896</b>	<b>4,613.0896</b>	<b>0.1582</b>	<b>0.7180</b>	<b>4,831.0123</b>

**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					6.0153	0.0000	6.0153	0.9108	0.0000	0.9108			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>0.4623</b>	<b>2.0032</b>	<b>23.2798</b>	<b>0.0388</b>	<b>6.0153</b>	<b>0.0616</b>	<b>6.0769</b>	<b>0.9108</b>	<b>0.0616</b>	<b>0.9724</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.3034	11.4495	2.3880	0.0414	1.0854	0.1015	1.1869	0.2990	0.0971	0.3961		4,510.5187	4,510.5187	0.1548	0.7148	4,727.4095
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
Worker	0.0435	0.0321	0.3708	1.0100e-003	0.1168	6.2000e-004	0.1174	0.0311	5.7000e-004	0.0317		102.5709	102.5709	3.3800e-003	3.1800e-003	103.6028
<b>Total</b>	<b>0.3469</b>	<b>11.4817</b>	<b>2.7588</b>	<b>0.0424</b>	<b>1.2022</b>	<b>0.1021</b>	<b>1.3043</b>	<b>0.3301</b>	<b>0.0977</b>	<b>0.4278</b>		<b>4,613.0896</b>	<b>4,613.0896</b>	<b>0.1582</b>	<b>0.7180</b>	<b>4,831.0123</b>

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6812	0.0000	19.6812	10.1061	0.0000	10.1061			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6812</b>	<b>1.6126</b>	<b>21.2938</b>	<b>10.1061</b>	<b>1.4836</b>	<b>11.5897</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.1250	4.7182	0.9841	0.0171	0.4685	0.0418	0.5104	0.1284	0.0400	0.1685		1,858.7303	1,858.7303	0.0638	0.2946	1,948.1083
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
Worker	0.0522	0.0386	0.4450	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		123.0851	123.0851	4.0500e-003	3.8200e-003	124.3234
<b>Total</b>	<b>0.1773</b>	<b>4.7568</b>	<b>1.4290</b>	<b>0.0183</b>	<b>0.6164</b>	<b>0.0426</b>	<b>0.6590</b>	<b>0.1677</b>	<b>0.0407</b>	<b>0.2084</b>		<b>1,981.8153</b>	<b>1,981.8153</b>	<b>0.0678</b>	<b>0.2984</b>	<b>2,072.4317</b>

**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					8.4137	0.0000	8.4137	4.3204	0.0000	4.3204			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0380</b>	<b>8.4137</b>	<b>0.0621</b>	<b>8.4758</b>	<b>4.3204</b>	<b>0.0621</b>	<b>4.3824</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.1250	4.7182	0.9841	0.0171	0.4473	0.0418	0.4891	0.1232	0.0400	0.1632		1,858.7303	1,858.7303	0.0638	0.2946	1,948.1083
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
Worker	0.0522	0.0386	0.4450	1.2100e-003	0.1402	7.5000e-004	0.1409	0.0373	6.9000e-004	0.0380		123.0851	123.0851	4.0500e-003	3.8200e-003	124.3234
<b>Total</b>	<b>0.1773</b>	<b>4.7568</b>	<b>1.4290</b>	<b>0.0183</b>	<b>0.5874</b>	<b>0.0426</b>	<b>0.6300</b>	<b>0.1605</b>	<b>0.0407</b>	<b>0.2013</b>		<b>1,981.8153</b>	<b>1,981.8153</b>	<b>0.0678</b>	<b>0.2984</b>	<b>2,072.4317</b>

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2210	0.0000	9.2210	3.6564	0.0000	3.6564			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2210</b>	<b>1.6349</b>	<b>10.8559</b>	<b>3.6564</b>	<b>1.5041</b>	<b>5.1605</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	0.0898	3.3874	0.7065	0.0122	0.3364	0.0300	0.3664	0.0922	0.0287	0.1209		1,334.4730	1,334.4730	0.0458	0.2115	1,398.6419
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
Worker	0.0580	0.0428	0.4944	1.3400e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		136.7612	136.7612	4.5000e-003	4.2400e-003	138.1371
<b>Total</b>	<b>0.1478</b>	<b>3.4303</b>	<b>1.2009</b>	<b>0.0136</b>	<b>0.5007</b>	<b>0.0309</b>	<b>0.5315</b>	<b>0.1358</b>	<b>0.0295</b>	<b>0.1653</b>		<b>1,471.2342</b>	<b>1,471.2342</b>	<b>0.0503</b>	<b>0.2157</b>	<b>1,536.7789</b>

**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					3.9420	0.0000	3.9420	1.5631	0.0000	1.5631			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>0.7616</b>	<b>3.3000</b>	<b>32.9991</b>	<b>0.0621</b>	<b>3.9420</b>	<b>0.1015</b>	<b>4.0435</b>	<b>1.5631</b>	<b>0.1015</b>	<b>1.6647</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	0.0898	3.3874	0.7065	0.0122	0.3211	0.0300	0.3512	0.0885	0.0287	0.1172		1,334.4730	1,334.4730	0.0458	0.2115	1,398.6419
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
Worker	0.0580	0.0428	0.4944	1.3400e-003	0.1557	8.3000e-004	0.1566	0.0415	7.6000e-004	0.0422		136.7612	136.7612	4.5000e-003	4.2400e-003	138.1371
<b>Total</b>	<b>0.1478</b>	<b>3.4303</b>	<b>1.2009</b>	<b>0.0136</b>	<b>0.4769</b>	<b>0.0309</b>	<b>0.5077</b>	<b>0.1299</b>	<b>0.0295</b>	<b>0.1594</b>		<b>1,471.2342</b>	<b>1,471.2342</b>	<b>0.0503</b>	<b>0.2157</b>	<b>1,536.7789</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	0.0000
Vendor	0.1679	4.3618	1.2767	0.0162	0.5147	0.0450	0.5597	0.1482	0.0431	0.1912		1,738.0278	1,738.0278	0.0391	0.2566	1,815.4632
Worker	0.5688	0.4197	4.8450	0.0132	1.6101	8.1300e-003	1.6182	0.4271	7.4800e-003	0.4346		1,340.2598	1,340.2598	0.0441	0.0415	1,353.7432
<b>Total</b>	<b>0.7367</b>	<b>4.7815</b>	<b>6.1217</b>	<b>0.0294</b>	<b>2.1248</b>	<b>0.0531</b>	<b>2.1780</b>	<b>0.5753</b>	<b>0.0505</b>	<b>0.6258</b>		<b>3,078.2877</b>	<b>3,078.2877</b>	<b>0.0833</b>	<b>0.2981</b>	<b>3,169.2065</b>

**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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>0.5608</b>	<b>2.6936</b>	<b>17.6592</b>	<b>0.0269</b>		<b>0.1018</b>	<b>0.1018</b>		<b>0.1018</b>	<b>0.1018</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0000
Vendor	0.1679	4.3618	1.2767	0.0162	0.4927	0.0450	0.5377	0.1428	0.0431	0.1858		1,738.0278	1,738.0278	0.0391	0.2566	1,815.4632
Worker	0.5688	0.4197	4.8450	0.0132	1.5261	8.1300e-003	1.5343	0.4065	7.4800e-003	0.4139		1,340.2598	1,340.2598	0.0441	0.0415	1,353.7432
<b>Total</b>	<b>0.7367</b>	<b>4.7815</b>	<b>6.1217</b>	<b>0.0294</b>	<b>2.0189</b>	<b>0.0531</b>	<b>2.0720</b>	<b>0.5493</b>	<b>0.0505</b>	<b>0.5998</b>		<b>3,078.2877</b>	<b>3,078.2877</b>	<b>0.0833</b>	<b>0.2981</b>	<b>3,169.2065</b>

**3.5 Building Construction - 2023**

**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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>



N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0000
Vendor	0.0825	3.4561	1.0869	0.0155	0.5148	0.0199	0.5347	0.1482	0.0191	0.1673		1,667.0980	1,667.0980	0.0350	0.2450	1,740.9896
Worker	0.5321	0.3722	4.4993	0.0128	1.6101	7.7200e-003	1.6178	0.4271	7.1000e-003	0.4342		1,306.5812	1,306.5812	0.0400	0.0385	1,319.0598
<b>Total</b>	<b>0.6146</b>	<b>3.8284</b>	<b>5.5862</b>	<b>0.0283</b>	<b>2.1249</b>	<b>0.0276</b>	<b>2.1525</b>	<b>0.5753</b>	<b>0.0262</b>	<b>0.6014</b>		<b>2,973.6792</b>	<b>2,973.6792</b>	<b>0.0749</b>	<b>0.2836</b>	<b>3,060.0494</b>

**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	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>0.5385</b>	<b>2.6513</b>	<b>17.6413</b>	<b>0.0269</b>		<b>0.0930</b>	<b>0.0930</b>		<b>0.0930</b>	<b>0.0930</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0000
Vendor	0.0825	3.4561	1.0869	0.0155	0.4928	0.0199	0.5127	0.1428	0.0191	0.1619		1,667.0980	1,667.0980	0.0350	0.2450	1,740.9896
Worker	0.5321	0.3722	4.4993	0.0128	1.5261	7.7200e-003	1.5339	0.4065	7.1000e-003	0.4136		1,306.5812	1,306.5812	0.0400	0.0385	1,319.0598
<b>Total</b>	<b>0.6146</b>	<b>3.8284</b>	<b>5.5862</b>	<b>0.0283</b>	<b>2.0189</b>	<b>0.0276</b>	<b>2.0465</b>	<b>0.5493</b>	<b>0.0262</b>	<b>0.5754</b>		<b>2,973.6792</b>	<b>2,973.6792</b>	<b>0.0749</b>	<b>0.2836</b>	<b>3,060.0494</b>

**3.6 Architectural Coating - 2023**

**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	43.0014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>43.1930</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.1059	0.0741	0.8953	2.5400e-003	0.3204	1.5400e-003	0.3219	0.0850	1.4100e-003	0.0864		259.9830	259.9830	7.9500e-003	7.6600e-003	262.4660
<b>Total</b>	<b>0.1059</b>	<b>0.0741</b>	<b>0.8953</b>	<b>2.5400e-003</b>	<b>0.3204</b>	<b>1.5400e-003</b>	<b>0.3219</b>	<b>0.0850</b>	<b>1.4100e-003</b>	<b>0.0864</b>		<b>259.9830</b>	<b>259.9830</b>	<b>7.9500e-003</b>	<b>7.6600e-003</b>	<b>262.4660</b>

**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	43.0014					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	0.0168		281.8690
<b>Total</b>	<b>43.0311</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.1059	0.0741	0.8953	2.5400e-003	0.3037	1.5400e-003	0.3052	0.0809	1.4100e-003	0.0823		259.9830	259.9830	7.9500e-003	7.6600e-003	262.4660
<b>Total</b>	<b>0.1059</b>	<b>0.0741</b>	<b>0.8953</b>	<b>2.5400e-003</b>	<b>0.3037</b>	<b>1.5400e-003</b>	<b>0.3052</b>	<b>0.0809</b>	<b>1.4100e-003</b>	<b>0.0823</b>		<b>259.9830</b>	<b>259.9830</b>	<b>7.9500e-003</b>	<b>7.6600e-003</b>	<b>262.4660</b>

**3.7 Paving - 2023**

**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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6598					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6925</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.0407	0.0285	0.3443	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.9935	99.9935	3.0600e-003	2.9500e-003	100.9485
<b>Total</b>	<b>0.0407</b>	<b>0.0285</b>	<b>0.3443</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>5.9000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>5.4000e-004</b>	<b>0.0332</b>		<b>99.9935</b>	<b>99.9935</b>	<b>3.0600e-003</b>	<b>2.9500e-003</b>	<b>100.9485</b>

**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	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6598					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9402</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Mitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.0407	0.0285	0.3443	9.8000e-004	0.1168	5.9000e-004	0.1174	0.0311	5.4000e-004	0.0317		99.9935	99.9935	3.0600e-003	2.9500e-003	100.9485
<b>Total</b>	<b>0.0407</b>	<b>0.0285</b>	<b>0.3443</b>	<b>9.8000e-004</b>	<b>0.1168</b>	<b>5.9000e-004</b>	<b>0.1174</b>	<b>0.0311</b>	<b>5.4000e-004</b>	<b>0.0317</b>		<b>99.9935</b>	<b>99.9935</b>	<b>3.0600e-003</b>	<b>2.9500e-003</b>	<b>100.9485</b>

**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	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.190	0.5014	52.3640	32,242.1868
Unmitigated	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.190	0.5014	52.3640	32,242.1868

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	205.64	205.64	205.64	711,098	711,098
Parking Lot	127.80	127.80	127.80	1,860,829	1,860,829
Unrefrigerated Warehouse-No Rail	159.90	159.90	159.90	552,934	552,934
<b>Total</b>	<b>493.34</b>	<b>493.34</b>	<b>493.34</b>	<b>3,124,862</b>	<b>3,124,862</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	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
Manufacturing	9.50	7.30	7.30	100.00	0.00	0.00	100	0	0
Parking Lot	40.00	7.30	7.30	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.0028
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.170000	0.230000	0.600000	0.000000	0.000000	0.000000	0.000000	0.0000
Unrefrigerated Warehouse-No Rail	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.0028

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	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	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396
NaturalGas Unmitigated	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396

**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					
Manufacturing	4697.19	0.0507	0.4605	0.3868	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.6111	552.6111	0.0106	0.0101	555.8950
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
Unrefrigerated Warehouse-No Rail	1506.97	0.0163	0.1477	0.1241	8.9000e-004		0.0112	0.0112		0.0112	0.0112		177.2911	177.2911	3.4000e-003	3.2500e-003	178.3447
<b>Total</b>		<b>0.0669</b>	<b>0.6083</b>	<b>0.5109</b>	<b>3.6500e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0462</b>	<b>0.0462</b>		<b>729.9022</b>	<b>729.9022</b>	<b>0.0140</b>	<b>0.0134</b>	<b>734.2396</b>



N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Mitigated**

	Natural Gas 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					
Manufacturing	4.69719	0.0507	0.4605	0.3868	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.6111	552.6111	0.0106	0.0101	555.8950
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
Unrefrigerated Warehouse-No Rail	1.50697	0.0163	0.1477	0.1241	8.9000e-004		0.0112	0.0112		0.0112	0.0112		177.2911	177.2911	3.4000e-003	3.2500e-003	178.3447
<b>Total</b>		<b>0.0669</b>	<b>0.6083</b>	<b>0.5109</b>	<b>3.6500e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0462</b>	<b>0.0462</b>		<b>729.9022</b>	<b>729.9022</b>	<b>0.0140</b>	<b>0.0134</b>	<b>734.2396</b>

**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	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
Unmitigated	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4100e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
<b>Total</b>	<b>5.5846</b>	<b>4.3000e-004</b>	<b>0.0476</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>0.1021</b>	<b>0.1021</b>	<b>2.7000e-004</b>		<b>0.1088</b>

**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	0.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4100e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
<b>Total</b>	<b>5.5846</b>	<b>4.3000e-004</b>	<b>0.0476</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>0.1021</b>	<b>0.1021</b>	<b>2.7000e-004</b>		<b>0.1088</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**N King Road  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	65.49	1000sqft	1.50	65,488.00	0
Unrefrigerated Warehouse-No Rail	159.90	1000sqft	3.67	159,897.00	0
Parking Lot	241.14	1000sqft	5.54	241,137.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	203.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Per construction questionnaire
- Demolition -
- Grading - 11,500 cy import, plus 1,500 soil export
- Vehicle Trips - Per transportation study
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance



## N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	20.00	57.00
tblConstructionPhase	NumDays	300.00	138.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	14.00
tblFleetMix	HHD	6.3620e-003	0.60
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.0410e-003	0.17
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	2.8380e-003	0.00
tblFleetMix	MHD	7.8170e-003	0.23
tblFleetMix	OBUS	9.1200e-004	0.00
tblFleetMix	SBUS	9.2700e-004	0.00
tblFleetMix	UBUS	3.8900e-004	0.00
tblGrading	MaterialExported	0.00	1,500.00
tblGrading	MaterialImported	0.00	10,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	65,490.00	65,488.00
tblLandUse	LandUseSquareFeet	159,900.00	159,897.00

## N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblLandUse	LandUseSquareFeet	241,140.00	241,137.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	9.50	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	6.42	3.14
tblVehicleTrips	ST_TR	0.00	0.53
tblVehicleTrips	ST_TR	1.74	1.00
tblVehicleTrips	SU_TR	5.09	3.14
tblVehicleTrips	SU_TR	0.00	0.53
tblVehicleTrips	SU_TR	1.74	1.00
tblVehicleTrips	WD_TR	3.93	3.14
tblVehicleTrips	WD_TR	0.00	0.53
tblVehicleTrips	WD_TR	1.74	1.00

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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					
2022	3.7726	42.2737	30.2424	0.0812	20.2976	1.6658	21.9528	10.2738	1.5336	11.7981	0.0000	8,359.8708	8,359.8708	1.9945	0.7180	8,604.1043
2023	45.4863	19.5903	24.5366	0.0608	2.4453	0.7997	3.2450	0.6603	0.7568	1.4171	0.0000	6,070.3202	6,070.3202	0.7418	0.2912	6,174.7904
<b>Maximum</b>	<b>45.4863</b>	<b>42.2737</b>	<b>30.2424</b>	<b>0.0812</b>	<b>20.2976</b>	<b>1.6658</b>	<b>21.9528</b>	<b>10.2738</b>	<b>1.5336</b>	<b>11.7981</b>	<b>0.0000</b>	<b>8,359.8708</b>	<b>8,359.8708</b>	<b>1.9945</b>	<b>0.7180</b>	<b>8,604.1043</b>

**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					
2022	1.2974	13.4849	34.2000	0.0812	9.0012	0.1638	9.1058	4.4809	0.1593	4.5837	0.0000	8,359.8708	8,359.8708	1.9945	0.7180	8,604.1043
2023	44.2900	6.6825	25.9552	0.0608	2.3226	0.1261	2.4487	0.6301	0.1245	0.7547	0.0000	6,070.3202	6,070.3202	0.7418	0.2912	6,174.7904
<b>Maximum</b>	<b>44.2900</b>	<b>13.4849</b>	<b>34.2000</b>	<b>0.0812</b>	<b>9.0012</b>	<b>0.1638</b>	<b>9.1058</b>	<b>4.4809</b>	<b>0.1593</b>	<b>4.5837</b>	<b>0.0000</b>	<b>8,359.8708</b>	<b>8,359.8708</b>	<b>1.9945</b>	<b>0.7180</b>	<b>8,604.1043</b>



N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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
Percent Reduction	7.45	67.40	-9.81	0.00	50.21	88.24	54.14	53.26	87.61	59.60	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	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
Energy	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396
Mobile	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.1900	0.5014	52.3640	32,242.1868
<b>Total</b>	<b>7.1634</b>	<b>27.3732</b>	<b>17.4422</b>	<b>0.1591</b>	<b>7.2497</b>	<b>0.2784</b>	<b>7.5281</b>	<b>2.0045</b>	<b>0.2679</b>	<b>2.2724</b>		<b>17,355.1943</b>	<b>17,355.1943</b>	<b>0.5157</b>	<b>52.3773</b>	<b>32,976.5352</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
Energy	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396
Mobile	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.1900	0.5014	52.3640	32,242.1868
<b>Total</b>	<b>7.1634</b>	<b>27.3732</b>	<b>17.4422</b>	<b>0.1591</b>	<b>7.2497</b>	<b>0.2784</b>	<b>7.5281</b>	<b>2.0045</b>	<b>0.2679</b>	<b>2.2724</b>		<b>17,355.1943</b>	<b>17,355.1943</b>	<b>0.5157</b>	<b>52.3773</b>	<b>32,976.5352</b>

	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
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	Demolition	Demolition	7/1/2022	8/1/2022	5	22	
2	Site Preparation	Site Preparation	8/2/2022	8/20/2022	5	14	
3	Grading	Grading	8/21/2022	11/20/2022	5	65	
4	Building Construction	Building Construction	11/21/2022	5/31/2023	5	138	
5	Architectural Coating	Architectural Coating	4/3/2023	6/20/2023	5	57	
6	Paving	Paving	6/1/2023	6/30/2023	5	22	

**Acres of Grading (Site Preparation Phase): 21**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Acres of Grading (Grading Phase): 195**

**Acres of Paving: 5.54**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 338,078; Non-Residential Outdoor: 112,693; Striped Parking Area: 14,468**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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
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
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

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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
Demolition	6	15.00	0.00	1,430.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	196.00	76.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	39.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0708	0.0000	14.0708	2.1305	0.0000	2.1305			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>14.0708</b>	<b>1.2427</b>	<b>15.3135</b>	<b>2.1305</b>	<b>1.1553</b>	<b>3.2857</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.3034	11.4495	2.3880	0.0414	1.1370	0.1015	1.2385	0.3117	0.0971	0.4088		4,510.5187	4,510.5187	0.1548	0.7148	4,727.4095
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
Worker	0.0435	0.0321	0.3708	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.5709	102.5709	3.3800e-003	3.1800e-003	103.6028
<b>Total</b>	<b>0.3469</b>	<b>11.4817</b>	<b>2.7588</b>	<b>0.0424</b>	<b>1.2602</b>	<b>0.1021</b>	<b>1.3623</b>	<b>0.3443</b>	<b>0.0977</b>	<b>0.4420</b>		<b>4,613.0896</b>	<b>4,613.0896</b>	<b>0.1582</b>	<b>0.7180</b>	<b>4,831.0123</b>

**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					6.0153	0.0000	6.0153	0.9108	0.0000	0.9108			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>0.4623</b>	<b>2.0032</b>	<b>23.2798</b>	<b>0.0388</b>	<b>6.0153</b>	<b>0.0616</b>	<b>6.0769</b>	<b>0.9108</b>	<b>0.0616</b>	<b>0.9724</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.3034	11.4495	2.3880	0.0414	1.0854	0.1015	1.1869	0.2990	0.0971	0.3961		4,510.5187	4,510.5187	0.1548	0.7148	4,727.4095
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
Worker	0.0435	0.0321	0.3708	1.0100e-003	0.1168	6.2000e-004	0.1174	0.0311	5.7000e-004	0.0317		102.5709	102.5709	3.3800e-003	3.1800e-003	103.6028
<b>Total</b>	<b>0.3469</b>	<b>11.4817</b>	<b>2.7588</b>	<b>0.0424</b>	<b>1.2022</b>	<b>0.1021</b>	<b>1.3043</b>	<b>0.3301</b>	<b>0.0977</b>	<b>0.4278</b>		<b>4,613.0896</b>	<b>4,613.0896</b>	<b>0.1582</b>	<b>0.7180</b>	<b>4,831.0123</b>

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6812	0.0000	19.6812	10.1061	0.0000	10.1061			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6812</b>	<b>1.6126</b>	<b>21.2938</b>	<b>10.1061</b>	<b>1.4836</b>	<b>11.5897</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.1250	4.7182	0.9841	0.0171	0.4685	0.0418	0.5104	0.1284	0.0400	0.1685		1,858.7303	1,858.7303	0.0638	0.2946	1,948.1083
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
Worker	0.0522	0.0386	0.4450	1.2100e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		123.0851	123.0851	4.0500e-003	3.8200e-003	124.3234
<b>Total</b>	<b>0.1773</b>	<b>4.7568</b>	<b>1.4290</b>	<b>0.0183</b>	<b>0.6164</b>	<b>0.0426</b>	<b>0.6590</b>	<b>0.1677</b>	<b>0.0407</b>	<b>0.2084</b>		<b>1,981.8153</b>	<b>1,981.8153</b>	<b>0.0678</b>	<b>0.2984</b>	<b>2,072.4317</b>

**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					8.4137	0.0000	8.4137	4.3204	0.0000	4.3204			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0380</b>	<b>8.4137</b>	<b>0.0621</b>	<b>8.4758</b>	<b>4.3204</b>	<b>0.0621</b>	<b>4.3824</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.1250	4.7182	0.9841	0.0171	0.4473	0.0418	0.4891	0.1232	0.0400	0.1632		1,858.7303	1,858.7303	0.0638	0.2946	1,948.1083
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
Worker	0.0522	0.0386	0.4450	1.2100e-003	0.1402	7.5000e-004	0.1409	0.0373	6.9000e-004	0.0380		123.0851	123.0851	4.0500e-003	3.8200e-003	124.3234
<b>Total</b>	<b>0.1773</b>	<b>4.7568</b>	<b>1.4290</b>	<b>0.0183</b>	<b>0.5874</b>	<b>0.0426</b>	<b>0.6300</b>	<b>0.1605</b>	<b>0.0407</b>	<b>0.2013</b>		<b>1,981.8153</b>	<b>1,981.8153</b>	<b>0.0678</b>	<b>0.2984</b>	<b>2,072.4317</b>

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2210	0.0000	9.2210	3.6564	0.0000	3.6564			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2210</b>	<b>1.6349</b>	<b>10.8559</b>	<b>3.6564</b>	<b>1.5041</b>	<b>5.1605</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**



N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	0.0898	3.3874	0.7065	0.0122	0.3364	0.0300	0.3664	0.0922	0.0287	0.1209		1,334.4730	1,334.4730	0.0458	0.2115	1,398.6419
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
Worker	0.0580	0.0428	0.4944	1.3400e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		136.7612	136.7612	4.5000e-003	4.2400e-003	138.1371
<b>Total</b>	<b>0.1478</b>	<b>3.4303</b>	<b>1.2009</b>	<b>0.0136</b>	<b>0.5007</b>	<b>0.0309</b>	<b>0.5315</b>	<b>0.1358</b>	<b>0.0295</b>	<b>0.1653</b>		<b>1,471.2342</b>	<b>1,471.2342</b>	<b>0.0503</b>	<b>0.2157</b>	<b>1,536.7789</b>

**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					3.9420	0.0000	3.9420	1.5631	0.0000	1.5631			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>0.7616</b>	<b>3.3000</b>	<b>32.9991</b>	<b>0.0621</b>	<b>3.9420</b>	<b>0.1015</b>	<b>4.0435</b>	<b>1.5631</b>	<b>0.1015</b>	<b>1.6647</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	0.0898	3.3874	0.7065	0.0122	0.3211	0.0300	0.3512	0.0885	0.0287	0.1172		1,334.4730	1,334.4730	0.0458	0.2115	1,398.6419
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
Worker	0.0580	0.0428	0.4944	1.3400e-003	0.1557	8.3000e-004	0.1566	0.0415	7.6000e-004	0.0422		136.7612	136.7612	4.5000e-003	4.2400e-003	138.1371
<b>Total</b>	<b>0.1478</b>	<b>3.4303</b>	<b>1.2009</b>	<b>0.0136</b>	<b>0.4769</b>	<b>0.0309</b>	<b>0.5077</b>	<b>0.1299</b>	<b>0.0295</b>	<b>0.1594</b>		<b>1,471.2342</b>	<b>1,471.2342</b>	<b>0.0503</b>	<b>0.2157</b>	<b>1,536.7789</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	0.0000
Vendor	0.1679	4.3618	1.2767	0.0162	0.5147	0.0450	0.5597	0.1482	0.0431	0.1912		1,738.0278	1,738.0278	0.0391	0.2566	1,815.4632
Worker	0.5688	0.4197	4.8450	0.0132	1.6101	8.1300e-003	1.6182	0.4271	7.4800e-003	0.4346		1,340.2598	1,340.2598	0.0441	0.0415	1,353.7432
<b>Total</b>	<b>0.7367</b>	<b>4.7815</b>	<b>6.1217</b>	<b>0.0294</b>	<b>2.1248</b>	<b>0.0531</b>	<b>2.1780</b>	<b>0.5753</b>	<b>0.0505</b>	<b>0.6258</b>		<b>3,078.2877</b>	<b>3,078.2877</b>	<b>0.0833</b>	<b>0.2981</b>	<b>3,169.2065</b>

**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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>0.5608</b>	<b>2.6936</b>	<b>17.6592</b>	<b>0.0269</b>		<b>0.1018</b>	<b>0.1018</b>		<b>0.1018</b>	<b>0.1018</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0000
Vendor	0.1679	4.3618	1.2767	0.0162	0.4927	0.0450	0.5377	0.1428	0.0431	0.1858		1,738.0278	1,738.0278	0.0391	0.2566	1,815.4632
Worker	0.5688	0.4197	4.8450	0.0132	1.5261	8.1300e-003	1.5343	0.4065	7.4800e-003	0.4139		1,340.2598	1,340.2598	0.0441	0.0415	1,353.7432
<b>Total</b>	<b>0.7367</b>	<b>4.7815</b>	<b>6.1217</b>	<b>0.0294</b>	<b>2.0189</b>	<b>0.0531</b>	<b>2.0720</b>	<b>0.5493</b>	<b>0.0505</b>	<b>0.5998</b>		<b>3,078.2877</b>	<b>3,078.2877</b>	<b>0.0833</b>	<b>0.2981</b>	<b>3,169.2065</b>

**3.5 Building Construction - 2023**

**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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0000
Vendor	0.0825	3.4561	1.0869	0.0155	0.5148	0.0199	0.5347	0.1482	0.0191	0.1673		1,667.0980	1,667.0980	0.0350	0.2450	1,740.9896
Worker	0.5321	0.3722	4.4993	0.0128	1.6101	7.7200e-003	1.6178	0.4271	7.1000e-003	0.4342		1,306.5812	1,306.5812	0.0400	0.0385	1,319.0598
<b>Total</b>	<b>0.6146</b>	<b>3.8284</b>	<b>5.5862</b>	<b>0.0283</b>	<b>2.1249</b>	<b>0.0276</b>	<b>2.1525</b>	<b>0.5753</b>	<b>0.0262</b>	<b>0.6014</b>		<b>2,973.6792</b>	<b>2,973.6792</b>	<b>0.0749</b>	<b>0.2836</b>	<b>3,060.0494</b>

**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	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>0.5385</b>	<b>2.6513</b>	<b>17.6413</b>	<b>0.0269</b>		<b>0.0930</b>	<b>0.0930</b>		<b>0.0930</b>	<b>0.0930</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0000
Vendor	0.0825	3.4561	1.0869	0.0155	0.4928	0.0199	0.5127	0.1428	0.0191	0.1619		1,667.0980	1,667.0980	0.0350	0.2450	1,740.9896
Worker	0.5321	0.3722	4.4993	0.0128	1.5261	7.7200e-003	1.5339	0.4065	7.1000e-003	0.4136		1,306.5812	1,306.5812	0.0400	0.0385	1,319.0598
<b>Total</b>	<b>0.6146</b>	<b>3.8284</b>	<b>5.5862</b>	<b>0.0283</b>	<b>2.0189</b>	<b>0.0276</b>	<b>2.0465</b>	<b>0.5493</b>	<b>0.0262</b>	<b>0.5754</b>		<b>2,973.6792</b>	<b>2,973.6792</b>	<b>0.0749</b>	<b>0.2836</b>	<b>3,060.0494</b>

**3.6 Architectural Coating - 2023**

**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	43.0014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>43.1930</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.1059	0.0741	0.8953	2.5400e-003	0.3204	1.5400e-003	0.3219	0.0850	1.4100e-003	0.0864		259.9830	259.9830	7.9500e-003	7.6600e-003	262.4660
<b>Total</b>	<b>0.1059</b>	<b>0.0741</b>	<b>0.8953</b>	<b>2.5400e-003</b>	<b>0.3204</b>	<b>1.5400e-003</b>	<b>0.3219</b>	<b>0.0850</b>	<b>1.4100e-003</b>	<b>0.0864</b>		<b>259.9830</b>	<b>259.9830</b>	<b>7.9500e-003</b>	<b>7.6600e-003</b>	<b>262.4660</b>

**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	43.0014					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	0.0168		281.8690
<b>Total</b>	<b>43.0311</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.1059	0.0741	0.8953	2.5400e-003	0.3037	1.5400e-003	0.3052	0.0809	1.4100e-003	0.0823		259.9830	259.9830	7.9500e-003	7.6600e-003	262.4660
<b>Total</b>	<b>0.1059</b>	<b>0.0741</b>	<b>0.8953</b>	<b>2.5400e-003</b>	<b>0.3037</b>	<b>1.5400e-003</b>	<b>0.3052</b>	<b>0.0809</b>	<b>1.4100e-003</b>	<b>0.0823</b>		<b>259.9830</b>	<b>259.9830</b>	<b>7.9500e-003</b>	<b>7.6600e-003</b>	<b>262.4660</b>

**3.7 Paving - 2023**

**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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6598					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6925</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**



N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.0407	0.0285	0.3443	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.9935	99.9935	3.0600e-003	2.9500e-003	100.9485
<b>Total</b>	<b>0.0407</b>	<b>0.0285</b>	<b>0.3443</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>5.9000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>5.4000e-004</b>	<b>0.0332</b>		<b>99.9935</b>	<b>99.9935</b>	<b>3.0600e-003</b>	<b>2.9500e-003</b>	<b>100.9485</b>

**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	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6598					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9402</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Mitigated Construction Off-Site**

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	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
Worker	0.0407	0.0285	0.3443	9.8000e-004	0.1168	5.9000e-004	0.1174	0.0311	5.4000e-004	0.0317		99.9935	99.9935	3.0600e-003	2.9500e-003	100.9485
<b>Total</b>	<b>0.0407</b>	<b>0.0285</b>	<b>0.3443</b>	<b>9.8000e-004</b>	<b>0.1168</b>	<b>5.9000e-004</b>	<b>0.1174</b>	<b>0.0311</b>	<b>5.4000e-004</b>	<b>0.0317</b>		<b>99.9935</b>	<b>99.9935</b>	<b>3.0600e-003</b>	<b>2.9500e-003</b>	<b>100.9485</b>

**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	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.190	0.5014	52.3640	32,242.1868
Unmitigated	1.5119	26.7645	16.8836	0.1555	7.2497	0.2320	7.4817	2.0045	0.2215	2.2260		16,625.1900	16,625.190	0.5014	52.3640	32,242.1868

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	205.64	205.64	205.64	711,098	711,098
Parking Lot	127.80	127.80	127.80	1,860,829	1,860,829
Unrefrigerated Warehouse-No Rail	159.90	159.90	159.90	552,934	552,934
<b>Total</b>	<b>493.34</b>	<b>493.34</b>	<b>493.34</b>	<b>3,124,862</b>	<b>3,124,862</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	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
Manufacturing	9.50	7.30	7.30	100.00	0.00	0.00	100	0	0
Parking Lot	40.00	7.30	7.30	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.0028
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.170000	0.230000	0.600000	0.000000	0.000000	0.000000	0.000000	0.0000
Unrefrigerated Warehouse-No Rail	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.0028

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	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	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396
NaturalGas Unmitigated	0.0669	0.6083	0.5109	3.6500e-003		0.0462	0.0462		0.0462	0.0462		729.9022	729.9022	0.0140	0.0134	734.2396

**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					
Manufacturing	4697.19	0.0507	0.4605	0.3868	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.6111	552.6111	0.0106	0.0101	555.8950
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
Unrefrigerated Warehouse-No Rail	1506.97	0.0163	0.1477	0.1241	8.9000e-004		0.0112	0.0112		0.0112	0.0112		177.2911	177.2911	3.4000e-003	3.2500e-003	178.3447
<b>Total</b>		<b>0.0669</b>	<b>0.6083</b>	<b>0.5109</b>	<b>3.6500e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0462</b>	<b>0.0462</b>		<b>729.9022</b>	<b>729.9022</b>	<b>0.0140</b>	<b>0.0134</b>	<b>734.2396</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Mitigated**

	Natural Gas 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					
Manufacturing	4.69719	0.0507	0.4605	0.3868	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.6111	552.6111	0.0106	0.0101	555.8950
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
Unrefrigerated Warehouse-No Rail	1.50697	0.0163	0.1477	0.1241	8.9000e-004		0.0112	0.0112		0.0112	0.0112		177.2911	177.2911	3.4000e-003	3.2500e-003	178.3447
<b>Total</b>		<b>0.0669</b>	<b>0.6083</b>	<b>0.5109</b>	<b>3.6500e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0462</b>	<b>0.0462</b>		<b>729.9022</b>	<b>729.9022</b>	<b>0.0140</b>	<b>0.0134</b>	<b>734.2396</b>

**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	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
Unmitigated	5.5846	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4100e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
<b>Total</b>	<b>5.5846</b>	<b>4.3000e-004</b>	<b>0.0476</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>0.1021</b>	<b>0.1021</b>	<b>2.7000e-004</b>		<b>0.1088</b>

**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	0.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4100e-003	4.3000e-004	0.0476	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1021	0.1021	2.7000e-004		0.1088
<b>Total</b>	<b>5.5846</b>	<b>4.3000e-004</b>	<b>0.0476</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>0.1021</b>	<b>0.1021</b>	<b>2.7000e-004</b>		<b>0.1088</b>

N King Road - Santa Clara County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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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**

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Health Risk Assessment  
650 North King Road Project  
City of San José, California

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**APPENDIX**

Appendix A: Modeling Data

## LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ASF	age sensitivity factor
AB	Assembly Bill
APN	Assessor's Parcel Number
APS	auxiliary power system
AT	averaging time
ATCM	Air Toxic Control Measure
BAAQMD	Bay Area Air Quality Management District
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CPF	cancer potency factor
$C_{air}$	air concentration from model
$C_i$	air concentration of substance
DBR	daily breathing rate
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	dose through inhalation
EMFAC	Emissions Factor Model
ED	exposure duration
EF	exposure frequency
°F	Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HQ	health quotient
HRA	health risk assessment
kg	kilograms
L	liter
MICR	Maximum Individual Cancer Risk
mg	milligrams
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset
NESHAP	National Emissions Standards for Hazardous Air Pollutants
$\text{NO}_2$	nitrogen dioxide
$\text{NO}_x$	nitrogen oxides
$\text{O}_3$	ozone
OEHHA	Office Environmental Health Hazard Assessment
PM	particulate matter
$\text{PM}_{10}$	particulate matter less than 10 microns in diameter
$\text{PM}_{2.5}$	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
$\text{REL}_i$	Reference Exposure Level of substance
$\text{Risk}_{\text{inh-res}}$	residential inhalation cancer risk
SB	Senate Bill
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
U.S. EPA	United States Environmental Protection Agency
VMT	vehicle miles traveled

# 1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) resulting from the implementation of the proposed 650 North King Road Project (proposed Project) in the City of San José. This HRA was prepared in accordance with the requirements of the Bay Area Air Quality Management District (BAAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. Technical data is included as see [Appendix A: Modeling Data](#).

## 1.1 Project Location

The proposed project is located on 650 North King Road in San José. [Figure 1: Regional Vicinity](#) and [Figure 2: Site Vicinity](#), depict the project site in a regional and local context. The project site is located in an urban area with a mix of surrounding uses including commercial, office, residential and industrial uses. The proposed project's existing land use designation is Light Industrial (LI) and existing zoning designation is Light Industrial (LI).

Currently, the project site is developed with four office/warehouse buildings. The four buildings consist of approximately 135,044<sup>1</sup>. The existing buildings are located in the center of the parcel and includes loading docks along the northern elevation. Surface parking is available throughout the site, with vehicle parking along the eastern (La Plumas Avenue) and southern (North King Road) frontages and truck parking along the northern and eastern frontages. There is existing landscaping and trees along the western, eastern and southern boundaries of the project site. The project site also has existing surface lighting.

## 1.2 Project Description

The proposed 650 North King Road project (project) is designed and proposed as a warehouse facility. The project would demolish the four existing building onsite and construct a new 225,280 square feet office/warehouse industrial building on a total site area of 466,421 square feet (10.71 acres). Construction of the project is expected to commence in July 2022 and last for approximately on year. The proposed development would contain approximately 191,488 square feet of warehouse space, 16,897 square feet of office space on the ground level and 16,895 square feet of office space on the second floor, see [Figure 3: Site Plan](#). The enclosed area of the project would be 225,280 square feet compared to the existing 135,044 square feet warehouse buildings.

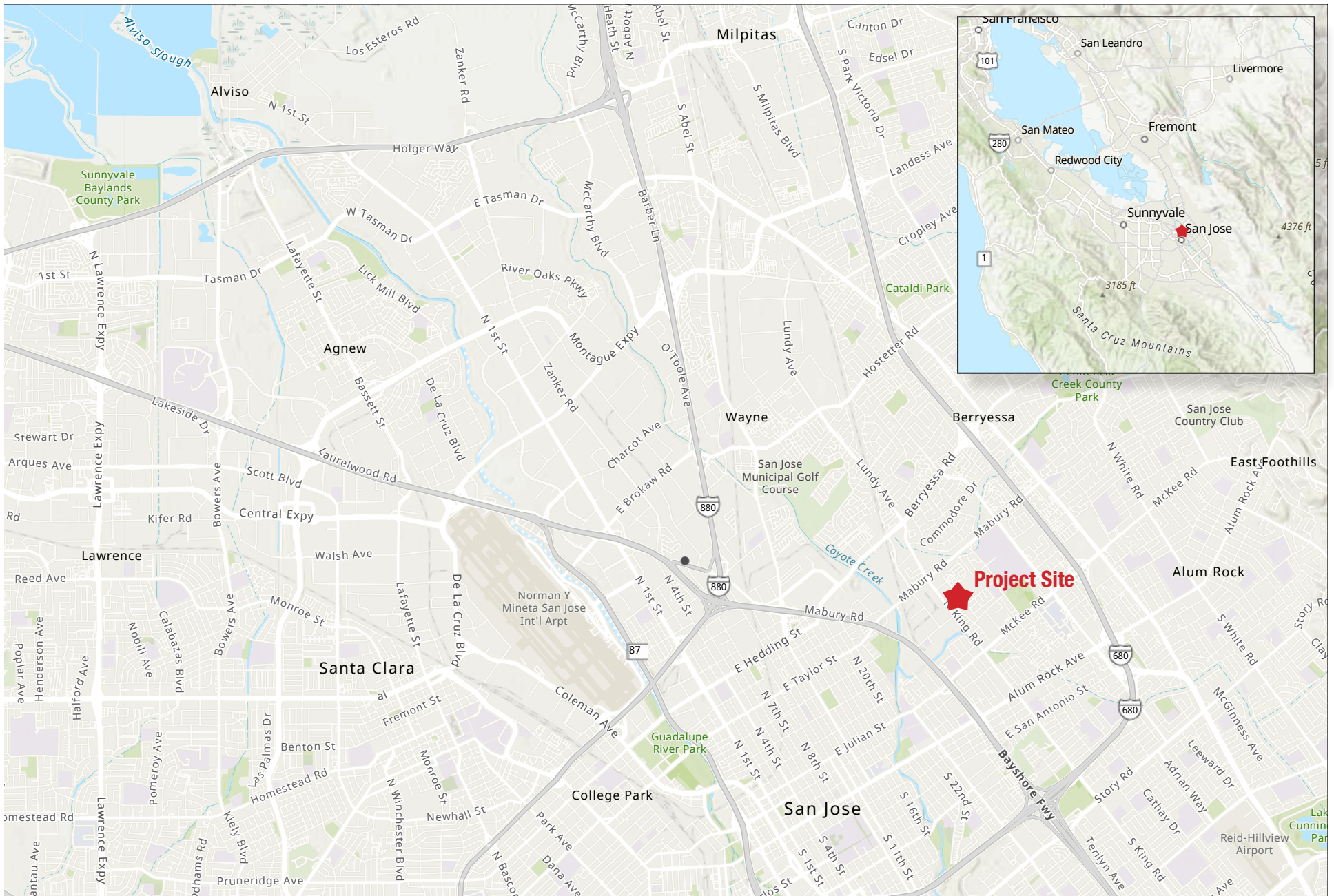
The proposed warehouse building would include 27 loading dock doors for trailer, box, and recycling trucks on the western side of the warehouse building. The proposed project also includes surface parking with 47 trailer stalls and 122 automobile stalls on site. Of the 119 automobile spaces provided, 48 spaces would be Electric Vehicle (EV) capable. Automobile parking would be located east of the warehouse building while the trailer parking would be located west of the warehouse building. Additionally, 13 motorcycle parking spaces and 7 bicycle racks would be located around the office space. The primary pedestrian entrance to the building would be provided from Las Plumas Avenue. Access to the project site would be provided from two driveways on Las Plumas Avenue and one driveway on North King Road.

---

<sup>1</sup> Per email communication with Project Applicant on December 7, 2021.

The existing site has mature landscape vegetation including trees and shrubs along the site boundary. Project implementation would remove existing vegetation on site, including 163 trees. No existing trees would remain. The removed trees would be replaced according to tree replacement ratios required by the City. Additional landscaping throughout the site would include a mix of trees, shrubs and groundcover. Landscape coverage would be provided along the eastern, southern, and western boundaries of the building.

The project site is designated as Light Industrial (LI) by the General Plan, which allows for warehousing uses. The project site is zoned as Light Industrial (LI). The LI Zoning District allows for warehouse, light to medium manufacturing, and wholesale establishments.



Source: USGS, 2021

**Figure 1: Regional Map**  
650 North King Road Project



Not to scale

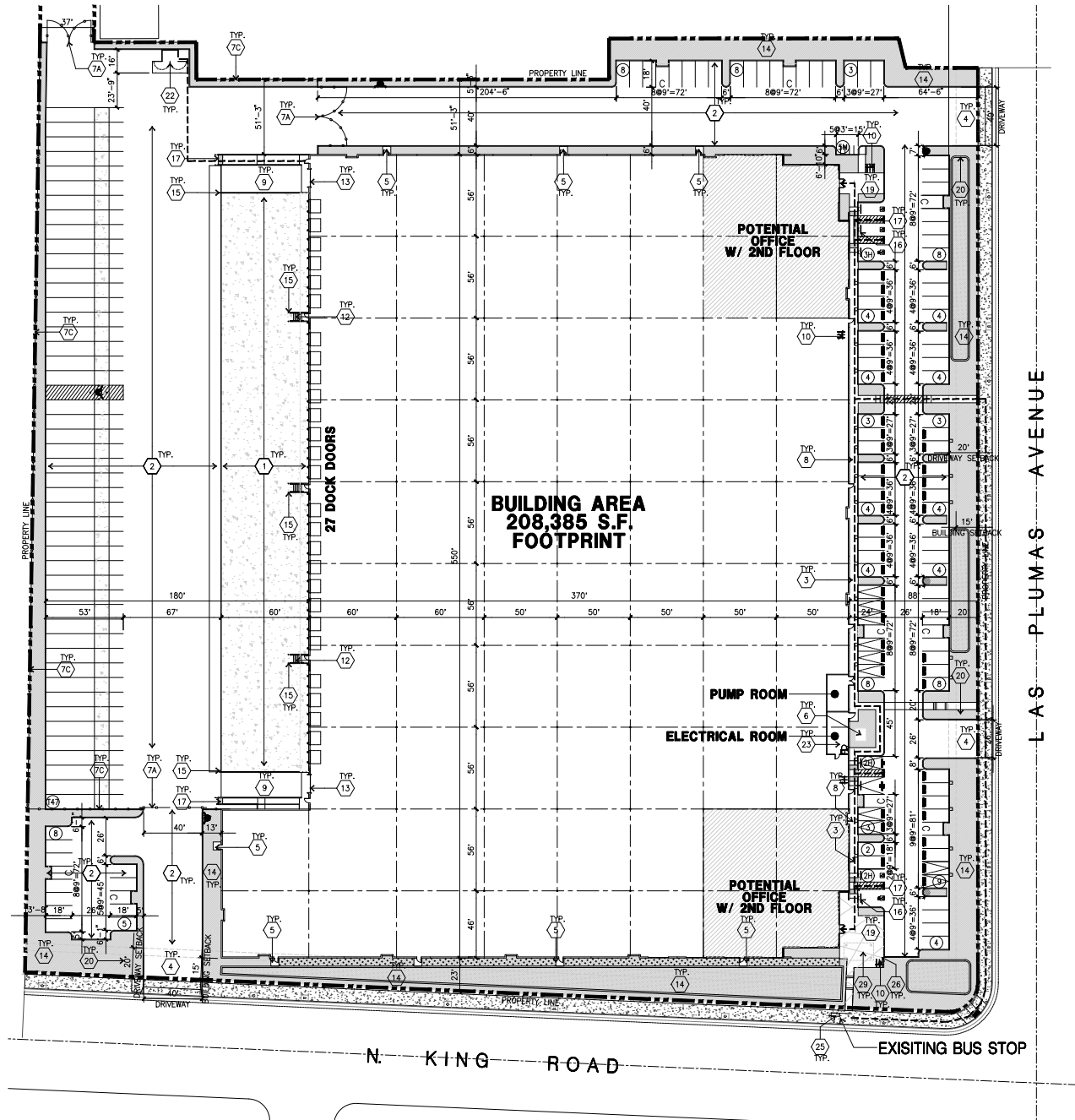


Source: USGS, 2021

**Figure 2: Project Vicinity Map**  
650 North King Road Project



Not to scale



Source: Project Plans for SP20-033, 2021

**Figure 3: Site Plan**  
650 North King Road Project



## 2 ENVIRONMENTAL SETTING

### 2.1 Climate

The project is within the San Francisco Bay Area Air Basin (SFBAAB), which comprises all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties, the southern portion of Sonoma, and the southwestern portion of Solano County. SFBAAB is characterized by complex terrain, consisting of coastal mountain ranges, inland valleys, and bays, which distort normal wind flow patterns. The Coast Range splits resulting in a western coast gap, Golden Gate, and an eastern coast gap, Carquinez Strait, which allow air to flow in and out of the SFBAAB and the Central Valley.

The climate is dominated by the strength and location of a semi-permanent, subtropical high-pressure cell. During the summer, the Pacific high-pressure cell is centered over the northeastern Pacific Ocean resulting in stable meteorological conditions and a steady northwesterly wind flow. Upwelling of cold ocean water from below to the surface because of the northwesterly flow produces a band of cold water off the California coast. The cool and moisture-laden air approaching the coast from the Pacific Ocean is further cooled by the presence of the cold-water band resulting in condensation and the presence of fog and stratus clouds along the Northern California coast.

In the winter, the Pacific high-pressure cell weakens and shifts southward resulting in wind flow offshore, the absence of upwelling, and the occurrence of storms. Weak inversions coupled with moderate winds result in a low air pollution potential.

### 2.2 Toxic Air Contaminants

Toxic Air Contaminants (TACs) are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins.

Industrial facilities and mobile sources are significant sources of TACs. The electronics industry, including semiconductor manufacturing, has the potential to contaminate both air and water due to the highly toxic chlorinated solvents commonly used in semiconductor production processes. In addition to industrial sources, various common urban facilities also produce TAC emissions, such as gasoline stations (benzene), hospitals (ethylene oxide), and dry cleaners (perchloroethylene). Automobile exhaust also contains TACs such as benzene and 1,3-butadiene. Diesel particulate matter (DPM) was identified as a TAC by CARB in 1998. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of



hundreds of substances. BAAQMD research indicates that mobile-source emissions of DPM, benzene, and 1,3-butadiene represent a substantial portion of the ambient background risk from TACs in the SFBAAB.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic “Hot Spots” Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of the act must prepare and submit toxic emission inventory plans and reports, and periodically update those reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Sources of air toxics go beyond industry, however. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene.

In California, on-road diesel-fueled engines contribute approximately 24 percent of the statewide total DPM emissions, with an additional 71 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute about 5 percent of total DPM. CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment to register their units to operate their equipment throughout California without having to obtain individual permits from local air districts.

As stated above, diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children’s lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. California has identified diesel exhaust particles as a carcinogen.

### 2.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than the general population. Sensitive receptors in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes.

The Project site is located in an urban area in City of San José. The surrounding land uses are predominantly commercial and industrial, with some residences to the east. The eastern boundary of the site is Las Plumas Avenue. Table 1: Sensitive Receptors, lists the distances and locations of nearby sensitive receptors.

**Table 1: Sensitive Receptors**

Receptor Description	Distance and Direction from the Project Site
Multi-family Residences	60 feet east
Single-family residential community	165 feet east
Multi-family Residences	320 feet west
St. Thomas Syriac Orthodox Church	650 feet north
Independence Adult Center	1,320 feet northeast
Educational Park Branch Library	1,650 feet northeast

## 3 REGULATORY SETTING

### 3.1 Federal

#### Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (U.S. EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health: benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the U.S. EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts less uniform.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

Section 112 of the FCAA Amendments governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

#### Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.<sup>2</sup> The PM emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007. Also, the NO<sub>x</sub> and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively,

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<sup>2</sup> United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010.

## Emission Standards for Nonroad Diesel Engines

To reduce emissions from off-road diesel equipment, the U.S. EPA established a series of cleaner emission standards for new off-road diesel engines. Tier 1 standards were phased in from 1996 to 2000 (year of manufacture), depending on the engine horsepower category. Tier 2 standards were phased in from 2001 to 2006. Tier 3 standards were phased in from 2006 to 2008. Tier 4 standards, which generally require add-on emission control equipment to attain them, are being phased in from 2008 to 2015.

### 3.2 State of California

#### California Air Resources Board

CARB's statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.

CARB also administers the State's mobile source emissions control program and oversees air quality programs established by State statute, such as AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

#### Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (DRRP) in October 2000. The DRRP's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline<sup>3</sup>. CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing statewide cancer risk and non-cancer health effects.<sup>4</sup> The DRRP includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

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<sup>3</sup> California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

<sup>4</sup> California Air Resources Board, *Overview: Diesel Exhaust & Health*, available at: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>, accessed on August 11, 2021.

## Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce PM and NO<sub>x</sub> emissions from existing diesel vehicles operating in California. The regulation requires PM retrofits on all diesel trucks and buses that operate in California (i.e., existing vehicles are required to be upgraded to reduce emissions). Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses would need to have 2010 model year engines or equivalent.

The regulation applies to most privately-owned and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

## Heavy-Duty Vehicle Idling Emission Reduction Program

The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to diesel particulate matter and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles. The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, would require that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

## CalEnviroScreen

OEHHA has developed CalEnviroScreen 3.0, which is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. CalEnviroScreen uses environmental, health, and socioeconomic information to produce scores for every census tract in the State. The scores are mapped so that different communities can be compared. An area with a high score is one that experiences a much higher pollution burden than areas with low scores.

According to CalEnviroScreen, the Project site is located within Census Tract 6085503709, which is within the 65-70 percentile. It should be noted that the CalEnviroScreen scores are not an expression of health risk, and do not provide quantitative information on increases in cumulative impacts for specific sites or projects. Further, as a comparative screening tool, the results do not provide a basis for determining when differences between scores are significant in relation to public health or the environment.

## CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission “last-mile” delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- **Zero-Emission Truck Sales:** Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight trucks sales, and 40 percent of truck tractor sales.
- **Company and Fleet Reporting:** Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

### 3.3 Regional

#### Bay Area Air Quality Management District

The BAAQMD is the regional agency tasked with managing air quality in the region and has regulated TACs since the 1980s. The CCAA provides the BAAQMD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions. The BAAQMD has published California Environmental Quality Act (CEQA) Air Quality Guidelines that are used in this assessment to evaluate air quality impacts of projects.

Under BAAQMD Regulation 2-1 (General Permit Requirements), Regulation 2-2 (New Source Review), and Regulation 2-5 (New Source Review), all nonexempt sources that possess the potential to emit TACs are required to obtain permits from BAAQMD. Permits may be granted to these operations if they are constructed and operated in accordance with applicable regulations, including new source review standards and air toxics control measures. The BAAQMD limits emissions and public exposure to TACs through a number of programs. Section 301 of Regulation 2, Rule 2 requires Best Available Control Technology (BACT) is triggered for any new or modified source with the potential to emit specific levels of pollutants. The BAAQMD prioritizes TAC-emitting stationary sources for regulation based on the quantity and toxicity of the TAC emissions and the proximity of the facilities to sensitive receptors.

## Community Air Risk Evaluation Program

The BAAQMD's Community Air Risk Evaluation (CARE) program estimates and reports both local and regional impacts of TACs in the Bay Area. The objective of the CARE Program is to reduce health impacts linked to local air quality. The goals of the CARE Program are to: (1) identify areas where air pollution contributes most to health impacts and where populations are most vulnerable to air pollution; (2) apply sound scientific methods and strategies to reduce health impacts in these areas; and (3) engage community groups and other agencies to develop additional actions to reduce local health impacts. Information from the CARE program is used by the BAAQMD to design and focus effective mitigation measures in areas with highest impacts.

## 4 SIGNIFICANCE CRITERIA AND METHODOLOGY

### 4.1 Health Risk Analysis Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. The BAAQMD publishes the California Environmental Quality Act (CEQA) Air Quality Guidelines, which were most recently updated in May 2017. The BAAQMD thresholds for air toxic emissions that are used for this project are shown below:

Individual Projects:

- **Excess Cancer Risk:** Emit contaminants that exceed the maximum individual cancer risk of 10 in one million.
- **Non-Cancer Risk:** Emit contaminants that exceed the maximum hazard quotient of 1.0 in one million.
- **Ambient PM<sub>2.5</sub> Concentration:** Incremental increase in average annual PM<sub>2.5</sub> concentration of greater than 0.3 µg/m<sup>3</sup>

Cumulative Thresholds:

- **Excess Cancer Risk:** Emit contaminants that would contribute to cumulative emissions, resulting in an exceedance of the maximum individual cancer risk of 100 in one million.
- **Non-Cancer Risk:** Emit contaminants that that would contribute to cumulative emissions, resulting in an exceedance of the maximum hazard quotient of 10.0 in one million.
- **Ambient PM<sub>2.5</sub> Concentration:** Incremental increase in average cumulative annual PM<sub>2.5</sub> concentration of greater than 0.8 µg/m<sup>3</sup>

Cancer risk is expressed in terms of expected incremental incidence per million population. The BAAQMD has established an individual project incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk. This threshold serves to determine if a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, the risk of dying from accidental drowning is 1,000 in one million which is 100 times more than the BAAQMD's threshold of 10 in one million.

The BAAQMD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a hazard index (HI), expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A HI less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.



The 2017 BAAQMD CEQA Air Quality Guidelines recommend assessing impacts within 1,000 feet of the project. The 1,000-foot radius is consistent with findings in CARB's Air Quality and Land Use Handbook (2005) and the California Health & Safety Code §42301.6 (Notice for Possible Source Near School). The CARB Air Quality and Land Use Handbook found that TAC concentrations are reduced substantially at a distance 1,000 feet downwind from sources such as freeways or large distribution centers.

## 4.2 Methodology

This HRA evaluates potential health risks associated with the emission of diesel particulate matter resulting from the implementation of the proposed Project. Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known TAC. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Operational activities would also include the use of heavy-duty diesel trucks.

### Construction Risk

Construction would generate DPM emissions from the use of off-road diesel equipment required for grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site potentially poses a health risk to nearby sensitive receptors. The closest sensitive receptors to the Project site are the residences across Las Plumas Avenue (approximately 60 feet away).

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the Project site. Construction activities would limit idling to no more than five minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense year of construction, emissions of DPM would be generated from different locations on the Project site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emissions rates for  $PM_{10}$  (DPM) were calculated from the CalEEMod construction emissions modeling conducted for the project Air Quality Assessment.

### Operational Sources

The truck traffic from the Project could also result in pollutant concentrations at existing sensitive receptors. Average daily trips from truck traffic to the Project were obtained from the Project Transportation Analysis (April 2021). The Transportation Analysis evaluated two scenarios, which included a warehouse only scenario and a warehouse and manufacturing scenario. Total daily trip and truck trip generation is based on Institute of Transportation Engineers (ITE) Warehouse (ITE code 150) and Manufacturing (ITE 140) rates. This analysis evaluates the Warehouse Scenario, which would have more daily trucks (135) than the Warehouse and Manufacturing scenario (127 total daily truck trips). Emission rates for vehicle running and idling for  $PM_{2.5}$  (DPM) was calculated using trip data and CARB 2021 Emission

FACTOR model version 1.0.1 (EMFAC)<sup>5</sup> data for Santa Clara County; refer to [Appendix A](#). The emissions rate was calculated using 2023 emissions factors since Project construction would be completed in 2023. This approach is conservative as it assumes no cleaner technology in future years.

### Dispersion Modeling

The air dispersion modeling for the operational risk assessment was performed using U.S. EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. AERMOD regulatory defaults, the “Urban” modeling option for the County, and “Elevated” terrain were used for this analysis.

The emission sources in the model are line volume sources (comprised of smaller adjacent volume sources) for the loading dock idling areas, on-site truck circulation, and off-site routes. The truck loading areas for the Site are located on the northwest side of the building. Heavy duty vehicle emissions were assigned a release height of 12 feet (3.66 meters), a plume height of 20.4 feet (6.22 meters). A release height of 12 feet is the average stack height for trucks and the plume height is based on U.S. EPA guidance for vehicle volume sources.

AERMOD was run to obtain the peak 1-hour and period (annual average) concentration in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) at the nearby sensitive receptors. The period concentrations were used to calculate the Maximum Individual Cancer Risk (MICR), the maximum chronic HI, and the hourly concentrations were used to calculate the health impact from substances with acute non-cancer health effects. A receptor grid was placed over the Project site to cover the zone of impact. Due to the size of the Project site, nearby sensitive receptors were modeled with a 50-meter (164-foot) grid spacing. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project. Surface and upper air meteorological data is provided by CARB. Surface and upper air meteorological data from the San José Airport Monitoring Station was selected as being the most representative for meteorology based on proximity to the Project site. The modeling and analysis was prepared in accordance with the BAAQMD Modeling Guidance for AERMOD<sup>6</sup>.

Project construction would occur for over a period of up to approximately two years. However, the health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 3-year exposure scenario as recommended by the BAAQMD, and thus is conservative.<sup>7</sup> The cancer risk calculations were based on applying age sensitivity weighting factors for each emissions period modeled. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing TACs. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual. Only the risk associated with the worst-case location of the proposed Project was assessed.

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<sup>5</sup> California Air Resources Board, *EMFAC 2021 Web Database*, <https://arb.ca.gov/emfac/emissions-inventory>, accessed August 2021.

<sup>6</sup> Bay Area Air Quality Management District, *BAAQMD Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*, January 2016.

<sup>7</sup> The BAAQMD recommends that the cancer risk be evaluated assuming that the average daily dose for short-term exposure lasts a minimum of three years for projects lasting three years or less (BAAQMD, *BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines*, December 2016).

Maximum (worst case) PM<sub>2.5</sub> exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. Risk levels were calculated according to the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, *Air Toxics Hot Spots Program Risk Assessment Guidelines* (February 2015).

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

### Risk and Hazard Assessment

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

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

Where:

Dose-air	=	dose through inhalation (mg/kg/day)
C <sub>air</sub>	=	air concentration (µg/m <sup>3</sup> ) from air dispersion model
(BR/BW)	=	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A	=	inhalation absorption factor (unitless)
EF	=	exposure frequency (approximately 350 days per year for residential)
10 <sup>-6</sup>	=	conversion factor (micrograms to milligrams, liters to cubic meters)

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

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

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

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

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

$$\text{Risk}_{\text{inh-res}} = (\text{Dose}_{\text{air}} * \text{CPF} * \text{ASF} * (\text{ED}/\text{AT}) * \text{FAH})$$

Where:

Risk <sub>inh-res</sub>	=	residential inhalation cancer risk (potential chances per million)
Dose <sub>air</sub>	=	daily dose through inhalation (mg/kg-day)
CPF	=	inhalation cancer potency factor (mg/kg-day <sup>-1</sup> )
ASF	=	age sensitivity factor for a specified age group (unitless)
ED	=	exposure duration (in years) for a specified age group
AT	=	averaging time of lifetime cancer risk (years)
FAH	=	Fraction of time spent at home (unitless)

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

$$\text{Hazard Quotient} = C_i / \text{REL}_i$$

Where:

C <sub>i</sub>	=	Concentration in the air of substance i (annual average concentration in µg/m <sup>3</sup> )
REL <sub>i</sub>	=	Chronic noncancer Reference Exposure Level for substance i (µg/m <sup>3</sup> )

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

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

### Health Risk Computation

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

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

## 5 POTENTIAL HEALTH RISK IMPACTS

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. The gas phase is composed of many of the urban TACs, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size or composition. The sizes of diesel particulates of greatest health concern are fine and ultrafine particles. These particles may be composed of elemental carbon with adsorbed compounds such as organics, sulfates, nitrates, metals, and other trace elements. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. As the Project includes construction near sensitive receptors and proposes heavy-duty trucks near within the BAAQMD 1,000-foot zone of influence an analysis of health risk impacts from TACs was performed for both construction and operations.

### 5.1 Construction Health Risk Analysis

Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known toxic air contaminants (TAC). Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. The closest sensitive receptors to the Project site the residences across Las Plumas Avenue (approximately 60 feet away). BAAQMD provides guidance for evaluating impacts from TACs in its CEQA Air Quality Guidelines document. As noted therein, an incremental cancer risk of greater than 10 cases per million at the Maximally Exposed Individual (MEI) will result in a significant impact. The BAAQMD considers exposure to annual  $PM_{2.5}$  concentrations that exceed  $0.3 \mu\text{g}/\text{m}^3$  from a single source to be significant. The BAAQMD significance threshold for non-cancer hazards is 1.0.

Project construction would generate DPM emissions from the use of off-road diesel equipment required for grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors.

The amount to which the receptors are exposed (a function of concentration and duration of exposure) is the primary factor used to determine health risk (i.e., potential exposure to TAC emission levels that exceed applicable standards). On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Construction is temporary and would be transient throughout the site (i.e. move from location to location) and would not generate emissions in a fixed location for extended periods of time.

Construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Division 3, Article 1, Chapter 10, Sections 2485 and 2449), which reduce DPM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Given the temporary and intermittent nature of construction activities likely to occur within specific locations in the Project site

(i.e., construction is not likely to occur in any one location for an extended time), the dose of DPM of any one receptor is exposed to would be limited.

PM<sub>2.5</sub> construction emissions rates in grams per second were calculated from the total annual on-site exhaust emissions reported in CalEEMod (0.08 tons unmitigated and 0.006 tons mitigated) total during construction. Annual emissions were converted to grams per second and these emissions rates were input into AERMOD. Although Project construction would occur for over a period of one year, the health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 3-year exposure scenario as recommended by the BAAQMD, and thus is conservative.<sup>8</sup>

As noted above, maximum (worst case) PM<sub>2.5</sub> exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. Risk levels were calculated with the CARB Hotspots Analysis and Reporting Program (HARP) Risk Assessment Standalone Tool (RAST) based on the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, Air Toxics Hot Spots Program Risk Assessment Guidelines (February 2015). Results of this assessment are summarized in [Table 3: Construction Risk](#).

**Table 3: Construction Risk**

Emissions Sources	Pollutant Concentration (µg/m <sup>3</sup> )	Cancer Risk (per Million)	Chronic Hazard	Acute Hazard
<b>Unmitigated</b>				
Construction	0.42	26.15	0.02	0.17
<i>BAAQMD Threshold</i>	<i>0.3</i>	<i>10</i>	<i>1.0</i>	<i>1.0</i>
<b>Threshold Exceeded?</b>	<b>Yes</b>	<b>Yes</b>	<b>No</b>	<b>No</b>
<b>Mitigated</b>				
Construction	0.06	2.90	0.002	0.024
<i>BAAQMD Threshold</i>	<i>0.3</i>	<i>10</i>	<i>1.0</i>	<i>1.0</i>
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
1. Heavy-duty off-road construction equipment would also meet CARB Tier 4 Final emissions standards per Mitigation Measure HRA-1. Refer to <a href="#">Appendix A: Modeling data</a> .				

Maximum unmitigated concentration of PM<sub>2.5</sub> during construction would be 0.42 µg/m<sup>3</sup>, which would exceed the BAAQMD threshold of 0.3 µg/m<sup>3</sup>. The highest calculated unmitigated carcinogenic risk from project construction would be 26.15 per million, which would exceed the BAAQMD threshold of 10 in one million. The MEI during construction (i.e., the closest sensitive receptor) to the Project site are the residences across Las Plumas Avenue (approximately 60 feet away).

Mitigation Measure HRA-1 requires the use of construction equipment that would meet CARB Tier 4 Final emissions standards in order to reduce diesel exhaust construction emissions. Mitigation Measure HRA-1 would reduce the project PM<sub>2.5</sub> concentration to 0.06 µg/m<sup>3</sup> and would reduce the Project's maximum cancer risk to 2.90 per million, which are below the BAAQMD thresholds of 0.3 µg/m<sup>3</sup> and 10 in one million, respectively. Non-cancer hazards for DPM would be below BAAQMD threshold, with a chronic

<sup>8</sup> The BAAQMD recommends that the cancer risk be evaluated assuming that the average daily dose for short-term exposure lasts a minimum of three years for projects lasting three years or less (BAAQMD, *BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines*, December 2016).

hazard index computed at 0.02 and an acute hazard index of 0.17 without mitigation and 0.002 and 0.024 with mitigation. Acute and chronic hazards would be below the BAAQMD significance threshold of 1.0. As described above, construction risk levels would be below the BAAQMD's thresholds with Mitigation Measure HRA-1. Construction risk levels would be less than significant with mitigation.

### Mitigation Measures:

**HRA-1 Off-Road Diesel-Powered Construction Equipment.** Prior to issuance of grading permits, the applicant shall prepare and submit documentation to the City of San José that demonstrate that all off-road diesel-powered construction equipment greater than 50 horsepower meets California Air Resources Board Tier 4 Final off-road emissions standards. Requirements for Tier 4 Final equipment shall be included in applicable bid documents and successful contractor(s) must demonstrate the ability to supply such equipment. A copy of each unit's Best Available Control Technology (BACT) documentation (certified tier specification or model year specification), and CARB or BAAQMD operating permit (if applicable) shall be provided to the City at the time of mobilization of each applicable unit of equipment.

**Level of Significance:** Less than significant.

## 5.2 Operational Health Risk Analysis

Vehicle DPM emissions were estimated using emission factors for coarse particulate matter less than 2.5 microns in diameter ( $PM_{2.5}$ ) generated with the EMFAC developed by CARB. EMFAC is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. EMFAC, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment.

For this Project, annual average  $PM_{10}$  emission factors were generated by running EMFAC for vehicles in the BAAQMD within the Santa Clara County. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed, temperature, and relative humidity. The model was run for heavy-duty diesel vehicles traveling along North King Road, Las Plumas Avenue, and McKee Road, as well as circulating the Project site and idling at proposed loading areas.

Based on the AERMOD outputs, the highest expected annual average diesel  $PM_{2.5}$  emission concentrations from diesel truck traffic near sensitive receptors would be  $0.004 \mu\text{g}/\text{m}^3$ . The calculations conservatively assume no cleaner technology with lower emissions in future years.

Table 4: Operational Risk shows the highest calculated carcinogenic risk resulting from the Project is 0.69 in one million, which is below the BAAQMD threshold of 10 per million. Acute and chronic hazards also would be below the BAAQMD significance threshold of 1.0.

### Table 4: Operational Risk



Exposure Scenario	Pollutant Concentration ( $\mu\text{g}/\text{m}^3$ )	Maximum Cancer Risk (per Million)	Chronic Noncancer Hazard	Acute Noncancer Hazard
Particulate Matter (PM <sub>2.5</sub> )	0.004	0.69	0.0002	0.002
<i>Threshold</i>	<i>NA</i>	<i>10 in one million</i>	<i>1.0</i>	<i>1.0</i>
<b>Exceed Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

1. Refer to [Appendix A: Modeling Data](#).

2. The maximum cancer would be experienced at the residences along Las Plumas Avenue southeast of the Project site based on worst-case exposure durations for the Project, 95<sup>th</sup> percentile breathing rates, and 30-year exposure duration.

The pollutant concentrations modeled in AERMOD represent the exposure levels outdoors. The BAAQMD conservatively does not include indoor exposure adjustments for residents. However, the typical person spends the majority of time indoors rather than remaining outdoors in the same location for 24 hours a day.<sup>9</sup> Therefore, the AERMOD outdoor pollutant concentrations are not necessarily representative of actual exposure at the Project site and tend to overestimate exposure.

### Cumulative Health Impacts

In addition to mobile sources, BAAQMD's Stationary Source GIS Maps were reviewed to identify stationary sources within a 1,000-foot-radius of the Project site. BAAQMD's Stationary Source data indicated that there are no stationary sources within 1,000 feet of the project site. As the project's construction and operational risk levels were below BAAQMD thresholds and there are no other sources within 1,000 feet of the Project site, risk levels would be below BAAQMD's 100 in one million cumulative threshold and the Project would not result in any cumulative health impacts. Impacts would be less than significant.

**Mitigation Measures:** None required.

**Level of Significance:** Less than significant and less than cumulatively considerable impacts.

<sup>9</sup> California Air Resources Board Research Division and University of California, Berkeley, *Activity Patterns of California Residents*, May 1991. The study indicates that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and 6 hours in other indoor locations, for a total of 21 hours (87% of the day). Approximately two hours per day were spent in transit, and just over one hour per day was spent in outdoor locations.

## 6 REFERENCES

1. Bay Area Air Quality Management District, *BAAQMD Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*, January 2016.
2. California Air Pollution Control Officers Association, *Health Risk Assessment for Proposed Land Use Projects*, July 2009.
3. California Air Resources Board Research Division and University of California, Berkeley, *Activity Patterns of California Residents*, May 1991.
4. California Air Resources Board, *EMFAC 2021 Web Database*, Available at: <https://arb.ca.gov/emfac/emissions-inventory>, August 2021.
5. California Air Resources Board, *Overview: Diesel Exhaust & Health*, available at: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>, accessed on August 2021.
6. California Air Resources Board, *HARP AERMOD Meteorological Files*, Available at: <https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files>, accessed August 2021.
7. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.
8. California Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, August 2003.
9. California Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments*, February 2015.
10. California Office of Environmental Health Hazard Assessment, *CalEnviroScreen 3.0*, <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>, accessed August 2021.
11. City of San José, *Envision San José 2040 General Plan FEIR*, 2011.
12. Lakes Environmental, *AERMOD View Gaussian Plume Air Dispersion Model*, Version 10.0.0

# Appendix A

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Modeling Data

**Construction - Unmitigated**

<b>PM<sub>10</sub> Exhaust Onsite</b>				
Year	Tons/Year	g/s	Weighted Average On-Site Rate	
2022	0.0834	0.002399	0.001794267	
2023	0.04278	0.001231		
<b>PM<sub>10</sub> Exhaust Off-Site</b>				
	Tons/Year	g/s	g/s per mile	Weighted Average Off-Site Rate
2022	0.00281	0.000081	1.17151E-05	8.78E-06
2023	1.45E-03	0.000042	6.04516E-06	

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
N. King Rd - North	849.6	0.53	8.78E-06	4.64E-06
N. King Rd - South	818	0.51	8.78E-06	4.46E-06
Las Plumas Ave	204.9	0.13	8.78E-06	1.12E-06
McKee Rd	588.2	0.37	8.78E-06	3.21E-06

<b>On-Site Construction Emissions</b>			<b>Off-Site Construction Emissions</b>		
Year	Phase	tons/yr Exhaust PM <sub>10</sub>	Year	Phase	tons/yr Exhaust PM <sub>10</sub>
2022	Demolition	0.0127	2022	Demolition	1.08E-03
2022	Site Prep	1.04E-02	2022	Site Prep	0.00E+00
2022	Grading	0.0489	2022	Grading	9.80E-04
2022	Building	0.0114	2022	Building	7.50E-04
	Total	0.0834		Total	2.81E-03
2023	Building	3.56E-02	2023	Grading	1.40E-03
2023	Arch Coating	2.02E-03	2023	Arch Coating	4.00E-05
2023	Paving	5.16E-03	2023	Paving	1.00E-05
	Total	4.28E-02		Total	1.45E-03

**Construction - Mitigated**

<b>PM<sub>10</sub> Exhaust Onsite</b>				
Year	Tons/Year	g/s	Weighted Average On-Site Rate	
2022	0.00594	0.000171	1.93E-04	
2023	0.00745	0.000214		
<b>PM<sub>10</sub> Exhaust Off-Site</b>				
	Tons/Year	g/s	g/s per mile	Weighted Average Off-Site Rate
2022	0.00281	0.000081	1.17151E-05	8.78E-06
2023	1.45E-03	0.000042	6.04516E-06	

Construction Route	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
N. King Rd - North	849.6	0.53	8.78E-06	4.64E-06
N. King Rd - South	818	0.51	8.78E-06	4.46E-06
Las Plumas Ave	204.9	0.13	8.78E-06	1.12E-06
McKee Rd	588.2	0.37	8.78E-06	3.21E-06

<b>On-Site Construction Emissions</b>			<b>Off-Site Construction Emissions</b>		
Year	Phase	tons/yr Exhaust PM <sub>10</sub>	Year	Phase	tons/yr Exhaust PM <sub>10</sub>
2022	Demolition	6.80E-04	2022	Demolition	1.08E-03
2022	Site Prep	4.30E-04	2022	Site Prep	0.00E+00
2022	Grading	3.30E-03	2022	Grading	9.80E-04
2022	Building	1.53E-03	2022	Building	7.50E-04
	Total	0.00594		Total	2.81E-03
2023	Building	5.02E-03	2023	Grading	1.40E-03
2023	Arch Coating	2.02E-03	2023	Arch Coating	4.00E-05
2023	Paving	4.10E-04	2023	Paving	1.00E-05
	Total	7.45E-03		Total	1.45E-03

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**N King Road  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	65.49	1000sqft	1.50	65,488.00	0
Unrefrigerated Warehouse-No Rail	159.90	1000sqft	3.67	159,897.00	0
Parking Lot	241.14	1000sqft	5.54	241,137.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Per construction questionnaire
- Demolition -
- Grading - 11,500 cy import, plus 1,500 soil export
- Vehicle Trips - Per transportation study
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - per AB 939



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tblConstructionPhase	NumDays	20.00	57.00
tblConstructionPhase	NumDays	300.00	138.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	14.00
tblFleetMix	HHD	6.3620e-003	0.60
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.0410e-003	0.17
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	2.8380e-003	0.00
tblFleetMix	MHD	7.8170e-003	0.23
tblFleetMix	OBUS	9.1200e-004	0.00
tblFleetMix	SBUS	9.2700e-004	0.00
tblFleetMix	UBUS	3.8900e-004	0.00
tblGrading	MaterialExported	0.00	1,500.00
tblGrading	MaterialImported	0.00	10,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	65,490.00	65,488.00
tblLandUse	LandUseSquareFeet	159,900.00	159,897.00
tblLandUse	LandUseSquareFeet	241,140.00	241,137.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	9.50	40.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	0.00	100.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	6.42	3.14
tblVehicleTrips	ST_TR	0.00	0.53
tblVehicleTrips	ST_TR	1.74	1.00
tblVehicleTrips	SU_TR	5.09	3.14
tblVehicleTrips	SU_TR	0.00	0.53
tblVehicleTrips	SU_TR	1.74	1.00
tblVehicleTrips	WD_TR	3.93	3.14
tblVehicleTrips	WD_TR	0.00	0.53
tblVehicleTrips	WD_TR	1.74	1.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2022	9-30-2022	1.4019	0.3144
2	10-1-2022	12-31-2022	1.1731	0.2676
3	1-1-2023	3-31-2023	0.6557	0.2453
4	4-1-2023	6-30-2023	1.8266	1.4065
		Highest	1.8266	1.4065

**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	1.0188	4.0000e-005	4.2900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.3400e-003	8.3400e-003	2.0000e-005	0.0000	8.8800e-003
Energy	0.0122	0.1110	0.0933	6.7000e-004		8.4400e-003	8.4400e-003		8.4400e-003	8.4400e-003	0.0000	229.5118	229.5118	0.0199	4.3500e-003	231.3044
Mobile	0.2748	4.7725	2.9728	0.0283	1.2784	0.0422	1.3206	0.3548	0.0402	0.3950	0.0000	2,744.6637	2,744.6637	0.0817	0.3589	2,853.6669
Waste						0.0000	0.0000		0.0000	0.0000	46.9965	0.0000	46.9965	2.7774	0.0000	116.4318
Water						0.0000	0.0000		0.0000	0.0000	16.5357	26.0944	42.6301	1.7026	0.0406	97.2981
<b>Total</b>	<b>1.3058</b>	<b>4.8836</b>	<b>3.0703</b>	<b>0.0290</b>	<b>1.2784</b>	<b>0.0506</b>	<b>1.3290</b>	<b>0.3548</b>	<b>0.0487</b>	<b>0.4035</b>	<b>63.5322</b>	<b>3,000.2782</b>	<b>3,063.8103</b>	<b>4.5816</b>	<b>0.4039</b>	<b>3,298.7100</b>

**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					



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2022	8/1/2022	5	22	
2	Site Preparation	Site Preparation	8/2/2022	8/20/2022	5	14	
3	Grading	Grading	8/21/2022	11/20/2022	5	65	
4	Building Construction	Building Construction	11/21/2022	5/31/2023	5	138	
5	Architectural Coating	Architectural Coating	4/3/2023	6/20/2023	5	57	
6	Paving	Paving	6/1/2023	6/30/2023	5	22	

**Acres of Grading (Site Preparation Phase): 21**

**Acres of Grading (Grading Phase): 195**

**Acres of Paving: 5.54**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 338,078; Non-Residential Outdoor: 112,693; Striped Parking Area: 14,468**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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
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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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
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

**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
Demolition	6	15.00	0.00	1,430.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	196.00	76.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	39.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1548	0.0000	0.1548	0.0234	0.0000	0.0234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0290	0.2829	0.2265	4.3000e-004		0.0137	0.0137		0.0127	0.0127	0.0000	37.3893	37.3893	0.0105	0.0000	37.6518
<b>Total</b>	<b>0.0290</b>	<b>0.2829</b>	<b>0.2265</b>	<b>4.3000e-004</b>	<b>0.1548</b>	<b>0.0137</b>	<b>0.1685</b>	<b>0.0234</b>	<b>0.0127</b>	<b>0.0361</b>	<b>0.0000</b>	<b>37.3893</b>	<b>37.3893</b>	<b>0.0105</b>	<b>0.0000</b>	<b>37.6518</b>

**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	3.3800e-003	0.1238	0.0260	4.6000e-004	0.0121	1.1200e-003	0.0133	3.3400e-003	1.0700e-003	4.4000e-003	0.0000	45.0020	45.0020	1.5500e-003	7.1300e-003	47.1660
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	4.4000e-004	3.2000e-004	3.9800e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0348	1.0348	3.0000e-005	3.0000e-005	1.0445
<b>Total</b>	<b>3.8200e-003</b>	<b>0.1241</b>	<b>0.0300</b>	<b>4.7000e-004</b>	<b>0.0134</b>	<b>1.1300e-003</b>	<b>0.0146</b>	<b>3.6900e-003</b>	<b>1.0800e-003</b>	<b>4.7500e-003</b>	<b>0.0000</b>	<b>46.0368</b>	<b>46.0368</b>	<b>1.5800e-003</b>	<b>7.1600e-003</b>	<b>48.2105</b>

**Mitigated Construction On-Site**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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					0.0662	0.0000	0.0662	0.0100	0.0000	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0900e-003	0.0220	0.2561	4.3000e-004		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	37.3892	37.3892	0.0105	0.0000	37.6518
<b>Total</b>	<b>5.0900e-003</b>	<b>0.0220</b>	<b>0.2561</b>	<b>4.3000e-004</b>	<b>0.0662</b>	<b>6.8000e-004</b>	<b>0.0669</b>	<b>0.0100</b>	<b>6.8000e-004</b>	<b>0.0107</b>	<b>0.0000</b>	<b>37.3892</b>	<b>37.3892</b>	<b>0.0105</b>	<b>0.0000</b>	<b>37.6518</b>

**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	3.3800e-003	0.1238	0.0260	4.6000e-004	0.0116	1.1200e-003	0.0127	3.2000e-003	1.0700e-003	4.2700e-003	0.0000	45.0020	45.0020	1.5500e-003	7.1300e-003	47.1660
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	4.4000e-004	3.2000e-004	3.9800e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0348	1.0348	3.0000e-005	3.0000e-005	1.0445
<b>Total</b>	<b>3.8200e-003</b>	<b>0.1241</b>	<b>0.0300</b>	<b>4.7000e-004</b>	<b>0.0128</b>	<b>1.1300e-003</b>	<b>0.0140</b>	<b>3.5300e-003</b>	<b>1.0800e-003</b>	<b>4.6100e-003</b>	<b>0.0000</b>	<b>46.0368</b>	<b>46.0368</b>	<b>1.5800e-003</b>	<b>7.1600e-003</b>	<b>48.2105</b>



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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1378	0.0000	0.1378	0.0707	0.0000	0.0707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.2316	0.1379	2.7000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	23.4076	23.4076	7.5700e-003	0.0000	23.5968
<b>Total</b>	<b>0.0222</b>	<b>0.2316</b>	<b>0.1379</b>	<b>2.7000e-004</b>	<b>0.1378</b>	<b>0.0113</b>	<b>0.1491</b>	<b>0.0707</b>	<b>0.0104</b>	<b>0.0811</b>	<b>0.0000</b>	<b>23.4076</b>	<b>23.4076</b>	<b>7.5700e-003</b>	<b>0.0000</b>	<b>23.5968</b>

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	8.9000e-004	0.0325	6.8200e-003	1.2000e-004	3.1800e-003	2.9000e-004	3.4700e-003	8.7000e-004	2.8000e-004	1.1500e-003	0.0000	11.8012	11.8012	4.1000e-004	1.8700e-003	12.3687
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	3.4000e-004	2.5000e-004	3.0400e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0000e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.7902	0.7902	2.0000e-005	2.0000e-005	0.7976
<b>Total</b>	<b>1.2300e-003</b>	<b>0.0327</b>	<b>9.8600e-003</b>	<b>1.3000e-004</b>	<b>4.1800e-003</b>	<b>3.0000e-004</b>	<b>4.4700e-003</b>	<b>1.1400e-003</b>	<b>2.8000e-004</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>12.5914</b>	<b>12.5914</b>	<b>4.3000e-004</b>	<b>1.8900e-003</b>	<b>13.1663</b>

Mitigated Construction On-Site

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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					0.0589	0.0000	0.0589	0.0302	0.0000	0.0302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2600e-003	0.0141	0.1461	2.7000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	23.4076	23.4076	7.5700e-003	0.0000	23.5968
<b>Total</b>	<b>3.2600e-003</b>	<b>0.0141</b>	<b>0.1461</b>	<b>2.7000e-004</b>	<b>0.0589</b>	<b>4.3000e-004</b>	<b>0.0593</b>	<b>0.0302</b>	<b>4.3000e-004</b>	<b>0.0307</b>	<b>0.0000</b>	<b>23.4076</b>	<b>23.4076</b>	<b>7.5700e-003</b>	<b>0.0000</b>	<b>23.5968</b>

**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	8.9000e-004	0.0325	6.8200e-003	1.2000e-004	3.0400e-003	2.9000e-004	3.3300e-003	8.4000e-004	2.8000e-004	1.1200e-003	0.0000	11.8012	11.8012	4.1000e-004	1.8700e-003	12.3687
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	3.4000e-004	2.5000e-004	3.0400e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7902	0.7902	2.0000e-005	2.0000e-005	0.7976
<b>Total</b>	<b>1.2300e-003</b>	<b>0.0327</b>	<b>9.8600e-003</b>	<b>1.3000e-004</b>	<b>3.9900e-003</b>	<b>3.0000e-004</b>	<b>4.2800e-003</b>	<b>1.0900e-003</b>	<b>2.8000e-004</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>12.5914</b>	<b>12.5914</b>	<b>4.3000e-004</b>	<b>1.8900e-003</b>	<b>13.1663</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2997	0.0000	0.2997	0.1188	0.0000	0.1188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1178	1.2624	0.9439	2.0200e-003		0.0531	0.0531		0.0489	0.0489	0.0000	177.2375	177.2375	0.0573	0.0000	178.6705
<b>Total</b>	<b>0.1178</b>	<b>1.2624</b>	<b>0.9439</b>	<b>2.0200e-003</b>	<b>0.2997</b>	<b>0.0531</b>	<b>0.3528</b>	<b>0.1188</b>	<b>0.0489</b>	<b>0.1677</b>	<b>0.0000</b>	<b>177.2375</b>	<b>177.2375</b>	<b>0.0573</b>	<b>0.0000</b>	<b>178.6705</b>

**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	2.9600e-003	0.1082	0.0227	4.0000e-004	0.0106	9.8000e-004	0.0116	2.9200e-003	9.3000e-004	3.8500e-003	0.0000	39.3374	39.3374	1.3500e-003	6.2300e-003	41.2290
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	1.7400e-003	1.2800e-003	0.0157	4.0000e-005	5.1600e-003	3.0000e-005	5.1800e-003	1.3700e-003	2.0000e-005	1.4000e-003	0.0000	4.0764	4.0764	1.3000e-004	1.2000e-004	4.1146
<b>Total</b>	<b>4.7000e-003</b>	<b>0.1095</b>	<b>0.0384</b>	<b>4.4000e-004</b>	<b>0.0158</b>	<b>1.0100e-003</b>	<b>0.0168</b>	<b>4.2900e-003</b>	<b>9.5000e-004</b>	<b>5.2500e-003</b>	<b>0.0000</b>	<b>43.4138</b>	<b>43.4138</b>	<b>1.4800e-003</b>	<b>6.3500e-003</b>	<b>45.3436</b>

**Mitigated Construction On-Site**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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					0.1281	0.0000	0.1281	0.0508	0.0000	0.0508	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.1073	1.0725	2.0200e-003		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	177.2372	177.2372	0.0573	0.0000	178.6703
<b>Total</b>	<b>0.0248</b>	<b>0.1073</b>	<b>1.0725</b>	<b>2.0200e-003</b>	<b>0.1281</b>	<b>3.3000e-003</b>	<b>0.1314</b>	<b>0.0508</b>	<b>3.3000e-003</b>	<b>0.0541</b>	<b>0.0000</b>	<b>177.2372</b>	<b>177.2372</b>	<b>0.0573</b>	<b>0.0000</b>	<b>178.6703</b>

**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	2.9600e-003	0.1082	0.0227	4.0000e-004	0.0101	9.8000e-004	0.0111	2.8000e-003	9.3000e-004	3.7300e-003	0.0000	39.3374	39.3374	1.3500e-003	6.2300e-003	41.2290
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	1.7400e-003	1.2800e-003	0.0157	4.0000e-005	4.8900e-003	3.0000e-005	4.9100e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	4.0764	4.0764	1.3000e-004	1.2000e-004	4.1146
<b>Total</b>	<b>4.7000e-003</b>	<b>0.1095</b>	<b>0.0384</b>	<b>4.4000e-004</b>	<b>0.0150</b>	<b>1.0100e-003</b>	<b>0.0160</b>	<b>4.1100e-003</b>	<b>9.5000e-004</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>43.4138</b>	<b>43.4138</b>	<b>1.4800e-003</b>	<b>6.3500e-003</b>	<b>45.3436</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0256	0.2342	0.2455	4.0000e-004		0.0121	0.0121		0.0114	0.0114	0.0000	34.7588	34.7588	8.3300e-003	0.0000	34.9670
<b>Total</b>	<b>0.0256</b>	<b>0.2342</b>	<b>0.2455</b>	<b>4.0000e-004</b>		<b>0.0121</b>	<b>0.0121</b>		<b>0.0114</b>	<b>0.0114</b>	<b>0.0000</b>	<b>34.7588</b>	<b>34.7588</b>	<b>8.3300e-003</b>	<b>0.0000</b>	<b>34.9670</b>

**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	2.5200e-003	0.0643	0.0188	2.4000e-004	7.5000e-003	6.7000e-004	8.1800e-003	2.1700e-003	6.4000e-004	2.8100e-003	0.0000	23.6451	23.6451	5.3000e-004	3.4900e-003	24.6981
Worker	7.8700e-003	5.7700e-003	0.0710	2.0000e-004	0.0233	1.2000e-004	0.0234	6.2000e-003	1.1000e-004	6.3100e-003	0.0000	18.4377	18.4377	5.7000e-004	5.3000e-004	18.6107
<b>Total</b>	<b>0.0104</b>	<b>0.0700</b>	<b>0.0897</b>	<b>4.4000e-004</b>	<b>0.0308</b>	<b>7.9000e-004</b>	<b>0.0316</b>	<b>8.3700e-003</b>	<b>7.5000e-004</b>	<b>9.1200e-003</b>	<b>0.0000</b>	<b>42.0828</b>	<b>42.0828</b>	<b>1.1000e-003</b>	<b>4.0200e-003</b>	<b>43.3088</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	8.4100e-003	0.0404	0.2649	4.0000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	34.7588	34.7588	8.3300e-003	0.0000	34.9669
<b>Total</b>	<b>8.4100e-003</b>	<b>0.0404</b>	<b>0.2649</b>	<b>4.0000e-004</b>		<b>1.5300e-003</b>	<b>1.5300e-003</b>		<b>1.5300e-003</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>34.7588</b>	<b>34.7588</b>	<b>8.3300e-003</b>	<b>0.0000</b>	<b>34.9669</b>

**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	2.5200e-003	0.0643	0.0188	2.4000e-004	7.1900e-003	6.7000e-004	7.8600e-003	2.0900e-003	6.4000e-004	2.7400e-003	0.0000	23.6451	23.6451	5.3000e-004	3.4900e-003	24.6981
Worker	7.8700e-003	5.7700e-003	0.0710	2.0000e-004	0.0221	1.2000e-004	0.0222	5.9000e-003	1.1000e-004	6.0200e-003	0.0000	18.4377	18.4377	5.7000e-004	5.3000e-004	18.6107
<b>Total</b>	<b>0.0104</b>	<b>0.0700</b>	<b>0.0897</b>	<b>4.4000e-004</b>	<b>0.0293</b>	<b>7.9000e-004</b>	<b>0.0301</b>	<b>7.9900e-003</b>	<b>7.5000e-004</b>	<b>8.7600e-003</b>	<b>0.0000</b>	<b>42.0828</b>	<b>42.0828</b>	<b>1.1000e-003</b>	<b>4.0200e-003</b>	<b>43.3088</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2023**

**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	0.0849	0.7768	0.8772	1.4600e-003		0.0378	0.0378		0.0356	0.0356	0.0000	125.1746	125.1746	0.0298	0.0000	125.9190
<b>Total</b>	<b>0.0849</b>	<b>0.7768</b>	<b>0.8772</b>	<b>1.4600e-003</b>		<b>0.0378</b>	<b>0.0378</b>		<b>0.0356</b>	<b>0.0356</b>	<b>0.0000</b>	<b>125.1746</b>	<b>125.1746</b>	<b>0.0298</b>	<b>0.0000</b>	<b>125.9190</b>

**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	4.5000e-003	0.1828	0.0576	8.4000e-004	0.0270	1.0700e-003	0.0281	7.8100e-003	1.0300e-003	8.8400e-003	0.0000	81.6000	81.6000	1.7200e-003	0.0120	85.2153
Worker	0.0265	0.0184	0.2369	7.0000e-004	0.0839	4.2000e-004	0.0844	0.0223	3.8000e-004	0.0227	0.0000	64.7061	64.7061	1.8400e-003	1.7800e-003	65.2825
<b>Total</b>	<b>0.0310</b>	<b>0.2013</b>	<b>0.2945</b>	<b>1.5400e-003</b>	<b>0.1110</b>	<b>1.4900e-003</b>	<b>0.1124</b>	<b>0.0301</b>	<b>1.4100e-003</b>	<b>0.0316</b>	<b>0.0000</b>	<b>146.3061</b>	<b>146.3061</b>	<b>3.5600e-003</b>	<b>0.0138</b>	<b>150.4978</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0291	0.1432	0.9526	1.4600e-003		5.0200e-003	5.0200e-003		5.0200e-003	5.0200e-003	0.0000	125.1744	125.1744	0.0298	0.0000	125.9188
<b>Total</b>	<b>0.0291</b>	<b>0.1432</b>	<b>0.9526</b>	<b>1.4600e-003</b>		<b>5.0200e-003</b>	<b>5.0200e-003</b>		<b>5.0200e-003</b>	<b>5.0200e-003</b>	<b>0.0000</b>	<b>125.1744</b>	<b>125.1744</b>	<b>0.0298</b>	<b>0.0000</b>	<b>125.9188</b>

**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	4.5000e-003	0.1828	0.0576	8.4000e-004	0.0259	1.0700e-003	0.0269	7.5300e-003	1.0300e-003	8.5600e-003	0.0000	81.6000	81.6000	1.7200e-003	0.0120	85.2153
Worker	0.0265	0.0184	0.2369	7.0000e-004	0.0796	4.2000e-004	0.0800	0.0213	3.8000e-004	0.0216	0.0000	64.7061	64.7061	1.8400e-003	1.7800e-003	65.2825
<b>Total</b>	<b>0.0310</b>	<b>0.2013</b>	<b>0.2945</b>	<b>1.5400e-003</b>	<b>0.1055</b>	<b>1.4900e-003</b>	<b>0.1070</b>	<b>0.0288</b>	<b>1.4100e-003</b>	<b>0.0302</b>	<b>0.0000</b>	<b>146.3061</b>	<b>146.3061</b>	<b>3.5600e-003</b>	<b>0.0138</b>	<b>150.4978</b>



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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**3.6 Architectural Coating - 2023**

**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	1.2255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4600e-003	0.0371	0.0516	8.0000e-005		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	7.2768	7.2768	4.4000e-004	0.0000	7.2877
<b>Total</b>	<b>1.2310</b>	<b>0.0371</b>	<b>0.0516</b>	<b>8.0000e-005</b>		<b>2.0200e-003</b>	<b>2.0200e-003</b>		<b>2.0200e-003</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>7.2768</b>	<b>7.2768</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.2877</b>

**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	2.7800e-003	1.9400e-003	0.0249	7.0000e-005	8.8200e-003	4.0000e-005	8.8600e-003	2.3400e-003	4.0000e-005	2.3800e-003	0.0000	6.7952	6.7952	1.9000e-004	1.9000e-004	6.8558
<b>Total</b>	<b>2.7800e-003</b>	<b>1.9400e-003</b>	<b>0.0249</b>	<b>7.0000e-005</b>	<b>8.8200e-003</b>	<b>4.0000e-005</b>	<b>8.8600e-003</b>	<b>2.3400e-003</b>	<b>4.0000e-005</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>6.7952</b>	<b>6.7952</b>	<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>6.8558</b>

**Mitigated Construction On-Site**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	1.2255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	3.6700e-003	0.0522	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	7.2768	7.2768	4.4000e-004	0.0000	7.2877
<b>Total</b>	<b>1.2264</b>	<b>3.6700e-003</b>	<b>0.0522</b>	<b>8.0000e-005</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>7.2768</b>	<b>7.2768</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.2877</b>

**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	2.7800e-003	1.9400e-003	0.0249	7.0000e-005	8.3600e-003	4.0000e-005	8.4000e-003	2.2300e-003	4.0000e-005	2.2700e-003	0.0000	6.7952	6.7952	1.9000e-004	1.9000e-004	6.8558
<b>Total</b>	<b>2.7800e-003</b>	<b>1.9400e-003</b>	<b>0.0249</b>	<b>7.0000e-005</b>	<b>8.3600e-003</b>	<b>4.0000e-005</b>	<b>8.4000e-003</b>	<b>2.2300e-003</b>	<b>4.0000e-005</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>6.7952</b>	<b>6.7952</b>	<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>6.8558</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2023

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	0.0114	0.1121	0.1604	2.5000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	22.0296	22.0296	7.1200e-003	0.0000	22.2077
Paving	7.2600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0186</b>	<b>0.1121</b>	<b>0.1604</b>	<b>2.5000e-004</b>		<b>5.6100e-003</b>	<b>5.6100e-003</b>		<b>5.1600e-003</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>22.0296</b>	<b>22.0296</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>22.2077</b>

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	4.1000e-004	2.9000e-004	3.6900e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0087	1.0087	3.0000e-005	3.0000e-005	1.0177
<b>Total</b>	<b>4.1000e-004</b>	<b>2.9000e-004</b>	<b>3.6900e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>1.0000e-005</b>	<b>1.3200e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.0087</b>	<b>1.0087</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0177</b>

Mitigated Construction On-Site

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	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	3.0900e-003	0.0134	0.1903	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.0295	22.0295	7.1200e-003	0.0000	22.2077
Paving	7.2600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0104</b>	<b>0.0134</b>	<b>0.1903</b>	<b>2.5000e-004</b>		<b>4.1000e-004</b>	<b>4.1000e-004</b>		<b>4.1000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>22.0295</b>	<b>22.0295</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>22.2077</b>

**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	4.1000e-004	2.9000e-004	3.6900e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0087	1.0087	3.0000e-005	3.0000e-005	1.0177
<b>Total</b>	<b>4.1000e-004</b>	<b>2.9000e-004</b>	<b>3.6900e-003</b>	<b>1.0000e-005</b>	<b>1.2400e-003</b>	<b>1.0000e-005</b>	<b>1.2500e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.0087</b>	<b>1.0087</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0177</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.2748	4.7725	2.9728	0.0283	1.2784	0.0422	1.3206	0.3548	0.0402	0.3950	0.0000	2,744.6637	2,744.6637	0.0817	0.3589	2,853.6669
Unmitigated	0.2748	4.7725	2.9728	0.0283	1.2784	0.0422	1.3206	0.3548	0.0402	0.3950	0.0000	2,744.6637	2,744.6637	0.0817	0.3589	2,853.6669

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	205.64	205.64	205.64	711,098	711,098
Parking Lot	127.80	127.80	127.80	1,860,829	1,860,829
Unrefrigerated Warehouse-No Rail	159.90	159.90	159.90	552,934	552,934
<b>Total</b>	<b>493.34</b>	<b>493.34</b>	<b>493.34</b>	<b>3,124,862</b>	<b>3,124,862</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Manufacturing	9.50	7.30	7.30	100.00	0.00	0.00	100	0	0
Parking Lot	40.00	7.30	7.30	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	100.00	0.00	0.00	100	0	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.170000	0.230000	0.600000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	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	108.6683	108.6683	0.0176	2.1300e-003	109.7428
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	108.6683	108.6683	0.0176	2.1300e-003	109.7428
Natural Gas Mitigated	0.0122	0.1110	0.0933	6.7000e-004		8.4400e-003	8.4400e-003		8.4400e-003	8.4400e-003	0.0000	120.8435	120.8435	2.3200e-003	2.2200e-003	121.5616
Natural Gas Unmitigated	0.0122	0.1110	0.0933	6.7000e-004		8.4400e-003	8.4400e-003		8.4400e-003	8.4400e-003	0.0000	120.8435	120.8435	2.3200e-003	2.2200e-003	121.5616

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Manufacturing	1.71448e+006	9.2400e-003	0.0840	0.0706	5.0000e-004		6.3900e-003	6.3900e-003		6.3900e-003	6.3900e-003	0.0000	91.4910	91.4910	1.7500e-003	1.6800e-003	92.0346
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
Unrefrigerated Warehouse-No	550046	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	29.3525	29.3525	5.6000e-004	5.4000e-004	29.5270
<b>Total</b>		<b>0.0122</b>	<b>0.1110</b>	<b>0.0933</b>	<b>6.6000e-004</b>		<b>8.4400e-003</b>	<b>8.4400e-003</b>		<b>8.4400e-003</b>	<b>8.4400e-003</b>	<b>0.0000</b>	<b>120.8435</b>	<b>120.8435</b>	<b>2.3100e-003</b>	<b>2.2200e-003</b>	<b>121.5616</b>

Mitigated

	Natural Gas 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					
Manufacturing	1.71448e+006	9.2400e-003	0.0840	0.0706	5.0000e-004		6.3900e-003	6.3900e-003		6.3900e-003	6.3900e-003	0.0000	91.4910	91.4910	1.7500e-003	1.6800e-003	92.0346
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
Unrefrigerated Warehouse-No	550046	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	29.3525	29.3525	5.6000e-004	5.4000e-004	29.5270
<b>Total</b>		<b>0.0122</b>	<b>0.1110</b>	<b>0.0933</b>	<b>6.6000e-004</b>		<b>8.4400e-003</b>	<b>8.4400e-003</b>		<b>8.4400e-003</b>	<b>8.4400e-003</b>	<b>0.0000</b>	<b>120.8435</b>	<b>120.8435</b>	<b>2.3100e-003</b>	<b>2.2200e-003</b>	<b>121.5616</b>

5.3 Energy by Land Use - Electricity

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	530453	49.0795	7.9400e-003	9.6000e-004	49.5648
Parking Lot	84397.9	7.8088	1.2600e-003	1.5000e-004	7.8860
Unrefrigerated Warehouse-No	559640	51.7800	8.3800e-003	1.0200e-003	52.2920
<b>Total</b>		<b>108.6683</b>	<b>0.0176</b>	<b>2.1300e-003</b>	<b>109.7428</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	530453	49.0795	7.9400e-003	9.6000e-004	49.5648
Parking Lot	84397.9	7.8088	1.2600e-003	1.5000e-004	7.8860
Unrefrigerated Warehouse-No	559640	51.7800	8.3800e-003	1.0200e-003	52.2920
<b>Total</b>		<b>108.6683</b>	<b>0.0176</b>	<b>2.1300e-003</b>	<b>109.7428</b>

**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	1.0188	4.0000e-005	4.2900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.3400e-003	8.3400e-003	2.0000e-005	0.0000	8.8800e-003
Unmitigated	1.0188	4.0000e-005	4.2900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.3400e-003	8.3400e-003	2.0000e-005	0.0000	8.8800e-003

N King Road - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-004	4.0000e-005	4.2900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.3400e-003	8.3400e-003	2.0000e-005	0.0000	8.8800e-003
<b>Total</b>	<b>1.0188</b>	<b>4.0000e-005</b>	<b>4.2900e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>8.8800e-003</b>

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	0.1226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8958					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-004	4.0000e-005	4.2900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.3400e-003	8.3400e-003	2.0000e-005	0.0000	8.8800e-003
<b>Total</b>	<b>1.0188</b>	<b>4.0000e-005</b>	<b>4.2900e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>8.8800e-003</b>

7.0 Water Detail

N King Road - Santa Clara County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	42.6301	1.7026	0.0406	97.2981
Unmitigated	42.6301	1.7026	0.0406	97.2981

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	15.1446 / 0	12.3867	0.4947	0.0118	28.2712
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	36.9769 / 0	30.2434	1.2079	0.0288	69.0269
<b>Total</b>		<b>42.6301</b>	<b>1.7026</b>	<b>0.0406</b>	<b>97.2981</b>

**Mitigated**

## N King Road - Santa Clara County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	15.1446 / 0	12.3867	0.4947	0.0118	28.2712
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	36.9769 / 0	30.2434	1.2079	0.0288	69.0269
<b>Total</b>		<b>42.6301</b>	<b>1.7026</b>	<b>0.0406</b>	<b>97.2981</b>

N King Road - Santa Clara County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	46.9965	2.7774	0.0000	116.4318
Unmitigated	46.9965	2.7774	0.0000	116.4318

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	81.21	16.4849	0.9742	0.0000	40.8406
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	150.31	30.5116	1.8032	0.0000	75.5911
<b>Total</b>		<b>46.9965</b>	<b>2.7774</b>	<b>0.0000</b>	<b>116.4318</b>

N King Road - Santa Clara County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	81.21	16.4849	0.9742	0.0000	40.8406
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	150.31	30.5116	1.8032	0.0000	75.5911
<b>Total</b>		<b>46.9965</b>	<b>2.7774</b>	<b>0.0000</b>	<b>116.4318</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

Operational Emissions Rates Calculations

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)
N. King Rd - North	45	135	0.01172	849.6	0.53	8.37E-01	9.68E-06
N. King Rd - South	45	135	0.01172	818	0.51	8.05E-01	9.32E-06
Las Plumas Ave	35	135	0.01145	204.9	0.13	1.97E-01	2.28E-06
McKee Rd	35	135	0.01145	588.2	0.37	5.66E-01	6.55E-06
On-Site Travel	15	135	0.02644	344.7	0.21	7.66E-01	8.86E-06

Loading Dock Idling	Speed (mph)	Trips (veh/day)	Emission Factor (g/hr)	Duration (hr/veh)	Emissions (g/day)	Emission Rate (g/sec)
Loading Area	Idle	68	0.00205983	0.25	3.48E-02	4.03E-07

Source: EMFAC2021 (v1.0.1) Emission Rates

Region Type: Sub-Area

Region: Santa Clara (SF)

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOK and RUNLOSS, g/vehicle/day for IDLEX and DIUR

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Speed (mph)			PM2.5_IDLEX	
						Idle (g/trip)	15	35		45
						0.00205983	0.026441312	0.011451399	0.011724102	
Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	Total VMT	Trips	PM2.5_IDLEX	
Santa Clara	2023	HHDT	Aggregate	Aggregate	Gasoline	3.454008773	114.3092811	69.10780752	0	0
Santa Clara	2023	HHDT	Aggregate	Aggregate	Diesel	8235.058614	991289.0051	120860.7913	0.031631173	260.4846
Santa Clara	2023	HHDT	Aggregate	Aggregate	Electricity	6.701710188	411.5053623	103.2043986	0	0
Santa Clara	2023	HHDT	Aggregate	Aggregate	Natural Gas	753.7365664	53295.9669	6914.033693	0.024237246	18.2685
Santa Clara	2023	LHDT2	Aggregate	Aggregate	Gasoline	2494.382223	90793.03842	37162.5785	0	0
Santa Clara	2023	LHDT2	Aggregate	Aggregate	Diesel	4479.531561	176769.2012	56346.87178	0.027025529	121.0617
Santa Clara	2023	MHDT	Aggregate	Aggregate	Gasoline	1418.702832	70785.85764	28385.40626	0	0
Santa Clara	2023	MHDT	Aggregate	Aggregate	Diesel	10273.55393	431550.3805	122418.6563	0.035741613	367.1934
Santa Clara	2023	MHDT	Aggregate	Aggregate	Electricity	4.749835347	101.802183	59.6458006	0	0
Santa Clara	2023	MHDT	Aggregate	Aggregate	Natural Gas	83.84099699	4047.873672	762.8100386	0.017647343	1.479571

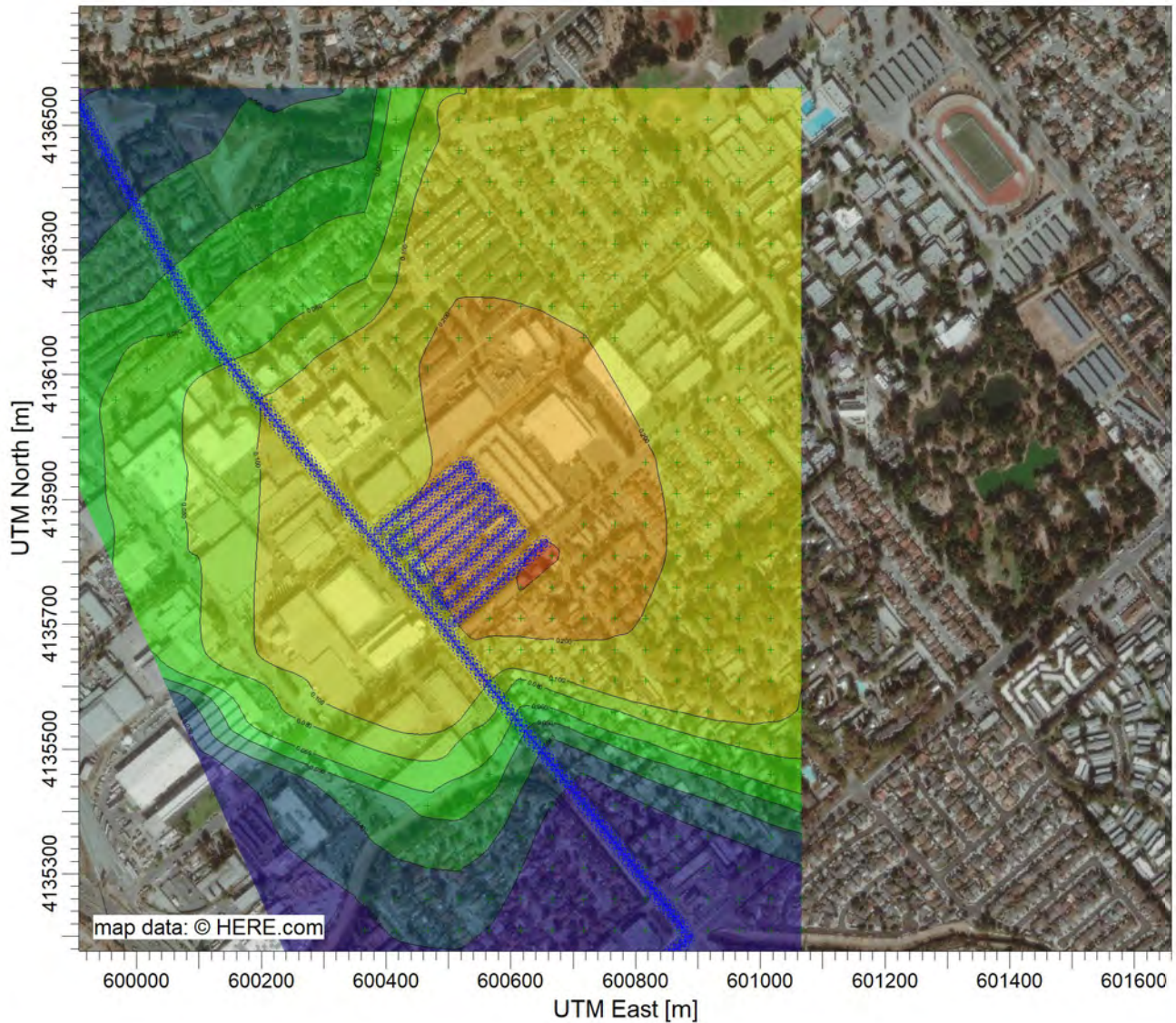
Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX
Santa Clara	2023	HHDT	Aggregate	15	Gasoline	3.03801782	0.009451568
Santa Clara	2023	HHDT	Aggregate	15	Diesel	18434.06342	0.012350599
Santa Clara	2023	HHDT	Aggregate	15	Electricity	7.047129849	0
Santa Clara	2023	HHDT	Aggregate	15	Natural Gas	2554.187095	0.003960683
Santa Clara	2023	LHDT2	Aggregate	15	Gasoline	15750.8655	0.00195805
Santa Clara	2023	LHDT2	Aggregate	15	Diesel	23847.13656	0.051713938
Santa Clara	2023	MHDT	Aggregate	15	Gasoline	2489.902537	0.00298981
Santa Clara	2023	MHDT	Aggregate	15	Diesel	21408.00922	0.034091497
Santa Clara	2023	MHDT	Aggregate	15	Electricity	5.210773563	0
Santa Clara	2023	MHDT	Aggregate	15	Natural Gas	204.4908468	0.00254808

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX
Santa Clara	2023	HHDT	Aggregate	35	Gasoline	6.324548662	0.003549821
Santa Clara	2023	HHDT	Aggregate	35	Diesel	28594.8437	0.010153338
Santa Clara	2023	HHDT	Aggregate	35	Electricity	11.04830649	0
Santa Clara	2023	HHDT	Aggregate	35	Natural Gas	3049.980396	0.00177581
Santa Clara	2023	LHDT2	Aggregate	35	Gasoline	4600.04444	0.000871528
Santa Clara	2023	LHDT2	Aggregate	35	Diesel	11745.49285	0.02490336
Santa Clara	2023	MHDT	Aggregate	35	Gasoline	4297.547713	0.000999566
Santa Clara	2023	MHDT	Aggregate	35	Diesel	65317.11782	0.01157683
Santa Clara	2023	MHDT	Aggregate	35	Electricity	15.77717257	0
Santa Clara	2023	MHDT	Aggregate	35	Natural Gas	533.8971021	0.000920976

Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX
Santa Clara	2023	HHDT	Aggregate	45	Gasoline	6.533370114	0.002950671
Santa Clara	2023	HHDT	Aggregate	45	Diesel	36969.31815	0.013571195
Santa Clara	2023	HHDT	Aggregate	45	Electricity	14.384836	0
Santa Clara	2023	HHDT	Aggregate	45	Natural Gas	3320.889577	0.001460271
Santa Clara	2023	LHDT2	Aggregate	45	Gasoline	1369.633569	0.000754225
Santa Clara	2023	LHDT2	Aggregate	45	Diesel	6087.340942	0.018713582
Santa Clara	2023	MHDT	Aggregate	45	Gasoline	4303.18607	0.000796035
Santa Clara	2023	MHDT	Aggregate	45	Diesel	28143.02357	0.011344569
Santa Clara	2023	MHDT	Aggregate	45	Electricity	6.281909206	0
Santa Clara	2023	MHDT	Aggregate	45	Natural Gas	335.5637156	0.000647174



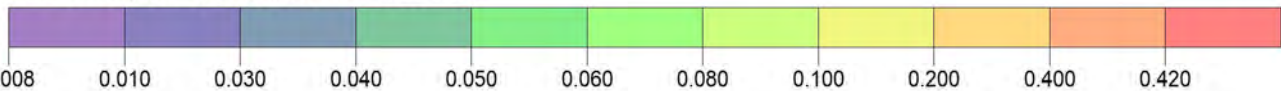
PROJECT TITLE:  
**650 N King Construction**



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

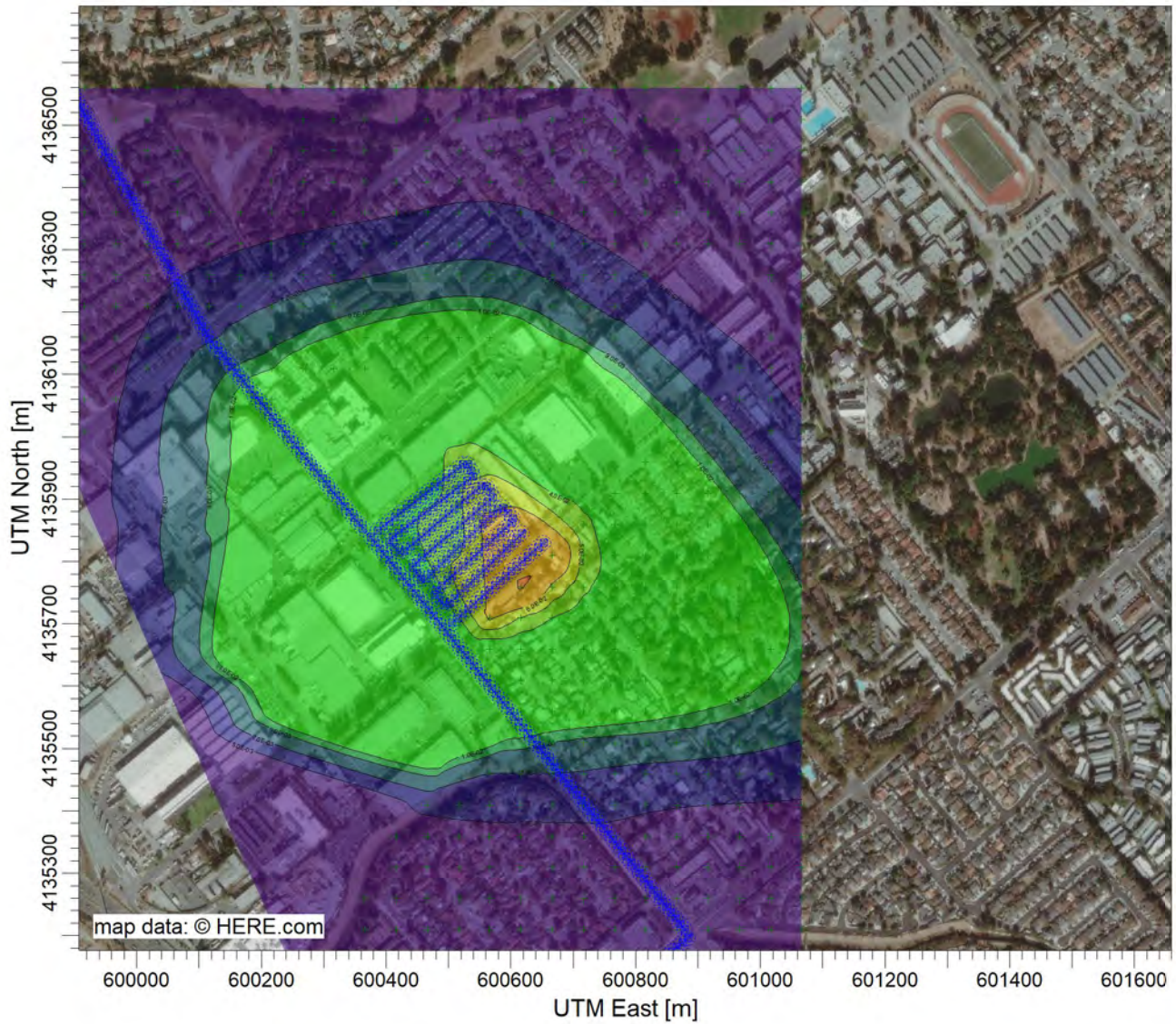
ug/m<sup>3</sup>

Max: 0.420 [ug/m<sup>3</sup>] at (600666.29, 4135809.32)



COMMENTS:	SOURCES: <b>5</b>	COMPANY NAME:	
	RECEPTORS: <b>465</b>	MODELER:	
	OUTPUT TYPE: <b>Concentration</b>	SCALE: 1:11,018 0  0.4 km	
	MAX: <b>0.420 ug/m<sup>3</sup></b>	DATE: <b>8/11/2021</b>	PROJECT NO.:

PROJECT TITLE:  
**650 N King Construction**



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

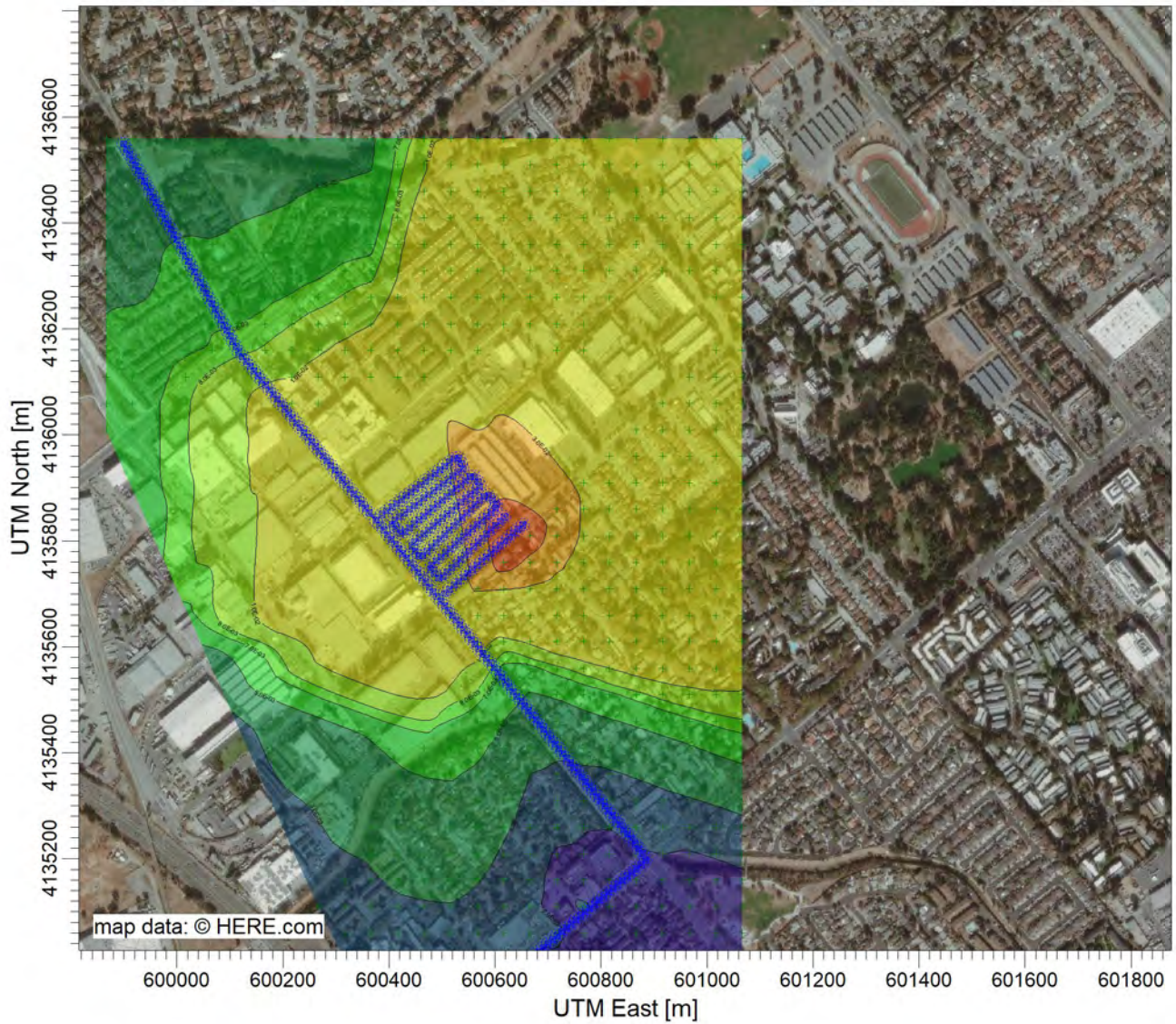
Max: 8.2E-02 [ug/m<sup>3</sup>] at (600616.29, 4135759.32)



COMMENTS:	SOURCES: <b>5</b>	COMPANY NAME:	
	RECEPTORS: <b>465</b>	MODELER:	
	OUTPUT TYPE: <b>Concentration</b>	SCALE: 1:11,017 0  0.4 km	
	MAX: <b>8.2E-02 ug/m<sup>3</sup></b>	DATE: <b>8/11/2021</b>	PROJECT NO.:

PROJECT TITLE:

**650 N King Construction Mitigated**



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

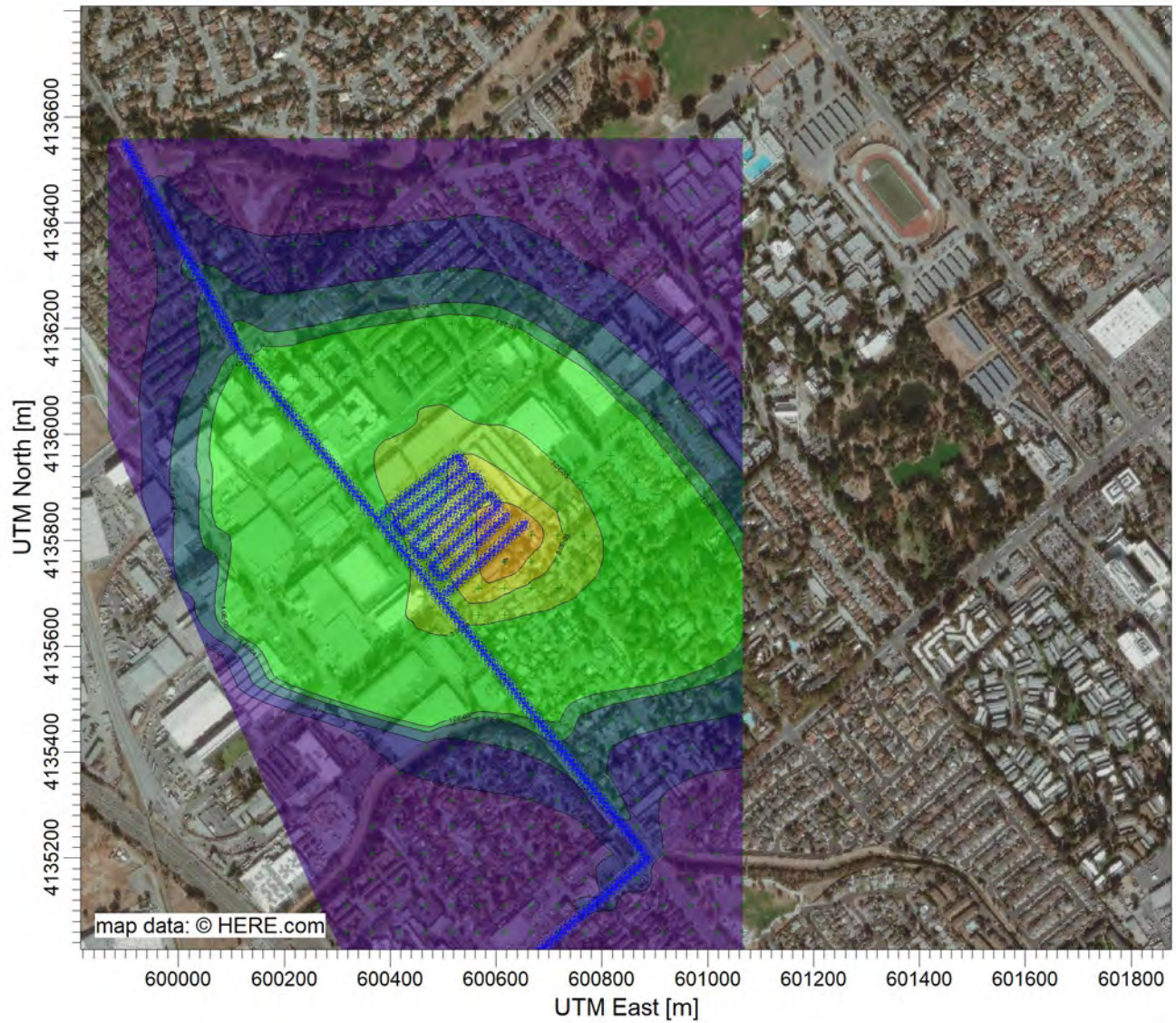
Max: 4.6E-02 [ug/m<sup>3</sup>] at (600666.29, 4135809.32)



COMMENTS:	SOURCES:	COMPANY NAME:	
	RECEPTORS:	MODELER:	
	OUTPUT TYPE:	SCALE:	1:12,961
	MAX:	DATE:	
	<b>5</b>		
	<b>465</b>		
	<b>Concentration</b>		
	<b>4.6E-02 ug/m<sup>3</sup></b>	<b>8/11/2021</b>	PROJECT NO.:

PROJECT TITLE:

**650 N King Construction Mitigated**



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

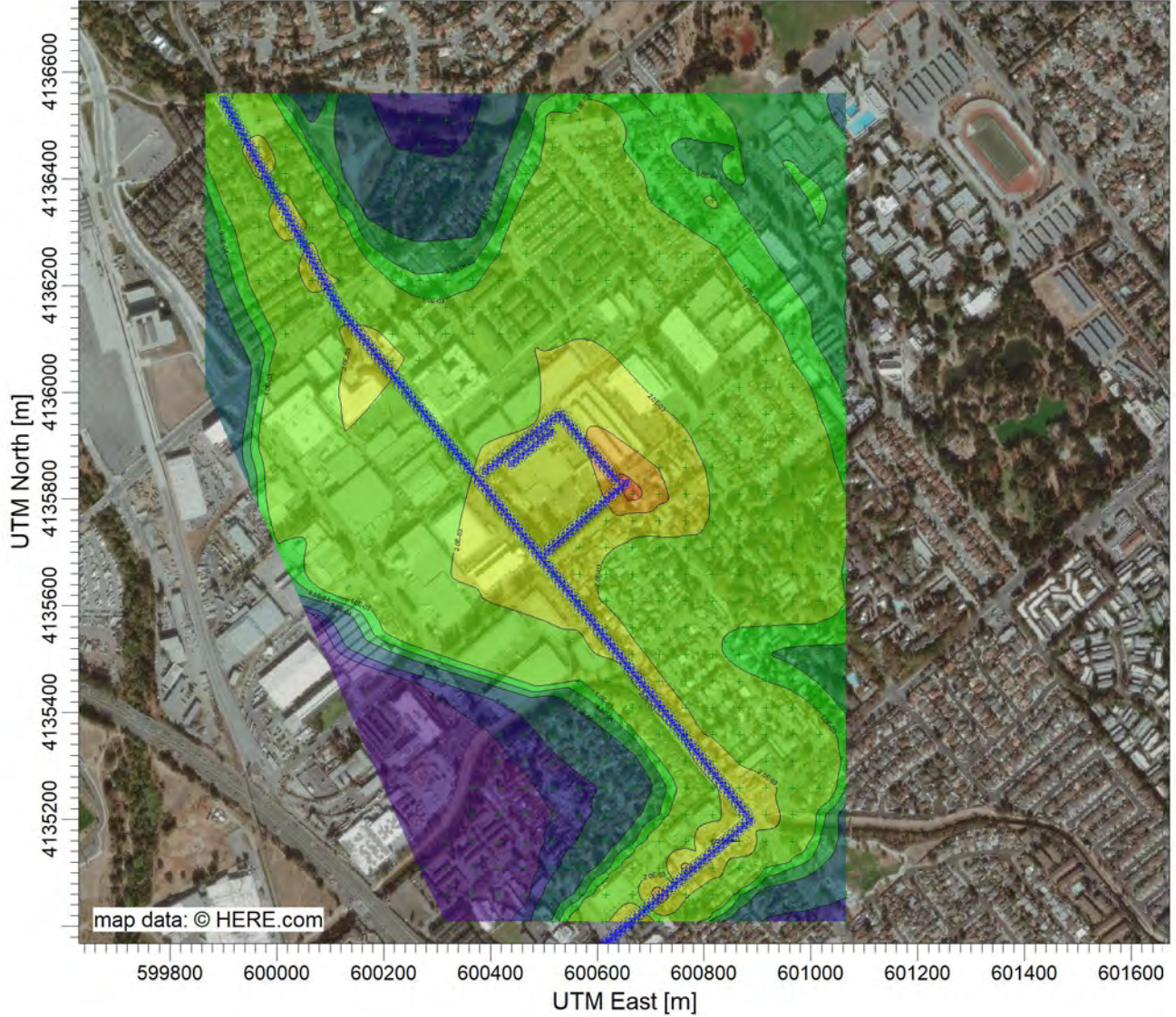
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COMMENTS:	SOURCES: <b>5</b>	COMPANY NAME:	
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	OUTPUT TYPE: <b>Concentration</b>	SCALE: 1:12,961	
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PROJECT TITLE:

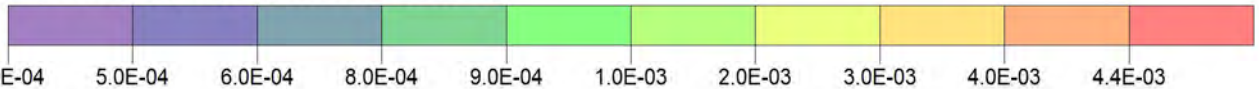
**650 N King Operations**



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

Max: 4.4E-03 [ug/m<sup>3</sup>] at (600666.29, 4135809.32)



COMMENTS:

SOURCES:

COMPANY NAME:

**6**

RECEPTORS:

MODELER:

**465**

OUTPUT TYPE:

SCALE:

1:12,845

**Concentration**

0 0.4 km

MAX:

DATE:

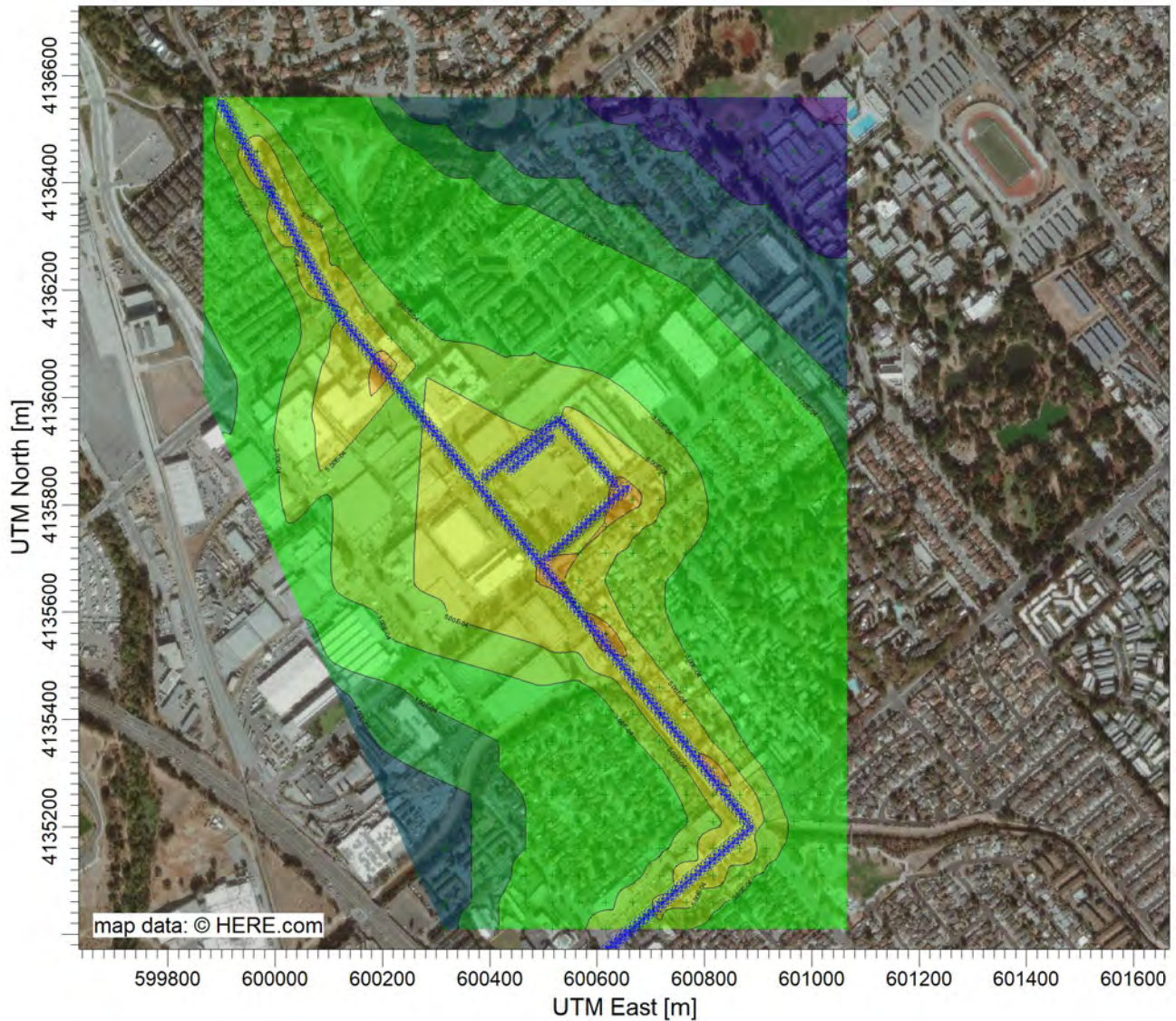
PROJECT NO.:

**4.4E-03 ug/m<sup>3</sup>**

**8/11/2021**

PROJECT TITLE:

**650 N King Operations**



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

Max: 1.01E-03 [ug/m<sup>3</sup>] at (600616.29, 4135559.32)



COMMENTS:	SOURCES: <b>6</b>	COMPANY NAME:	
	RECEPTORS: <b>465</b>	MODELER:	
	OUTPUT TYPE: <b>Concentration</b>	SCALE: 1:12,787	
	MAX: <b>1.01E-03 ug/m<sup>3</sup></b>	DATE: <b>8/11/2021</b>	PROJECT NO.:

650 N King\_Const.ADI

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 10.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 8/11/2021

\*\* File: C:\Lakes\AERMOD View\650 N King\_Const\650 N King\_Const.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE 650 N King Construction

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1928000

POLLUTID PM\_2.5

RUNORNOT RUN

ERRORFIL "650 N King\_Const.err"

CO FINISHED

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\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC N King - North

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.64E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600366.574, 4135848.280, 27.08, 3.11, 5.35

\*\* 600116.898, 4136156.245, 27.24, 3.11, 5.35

650 N King\_Const.ADI

\*\* 599897.218, 4136552.602, 28.09, 3.11, 5.35

\*\*

LOCATION	L0005517	VOLUME	600362.953	4135852.747	27.07
LOCATION	L0005518	VOLUME	600355.711	4135861.680	27.15
LOCATION	L0005519	VOLUME	600348.468	4135870.613	27.18
LOCATION	L0005520	VOLUME	600341.226	4135879.546	27.15
LOCATION	L0005521	VOLUME	600333.984	4135888.479	27.20
LOCATION	L0005522	VOLUME	600326.742	4135897.412	27.27
LOCATION	L0005523	VOLUME	600319.499	4135906.345	27.27
LOCATION	L0005524	VOLUME	600312.257	4135915.278	27.26
LOCATION	L0005525	VOLUME	600305.015	4135924.211	27.24
LOCATION	L0005526	VOLUME	600297.773	4135933.144	27.25
LOCATION	L0005527	VOLUME	600290.530	4135942.077	27.22
LOCATION	L0005528	VOLUME	600283.288	4135951.011	27.19
LOCATION	L0005529	VOLUME	600276.046	4135959.944	27.19
LOCATION	L0005530	VOLUME	600268.803	4135968.877	27.20
LOCATION	L0005531	VOLUME	600261.561	4135977.810	27.25
LOCATION	L0005532	VOLUME	600254.319	4135986.743	27.29
LOCATION	L0005533	VOLUME	600247.077	4135995.676	27.33
LOCATION	L0005534	VOLUME	600239.834	4136004.609	27.43
LOCATION	L0005535	VOLUME	600232.592	4136013.542	27.50
LOCATION	L0005536	VOLUME	600225.350	4136022.475	27.54
LOCATION	L0005537	VOLUME	600218.108	4136031.408	27.54
LOCATION	L0005538	VOLUME	600210.865	4136040.341	27.50
LOCATION	L0005539	VOLUME	600203.623	4136049.274	27.49
LOCATION	L0005540	VOLUME	600196.381	4136058.207	27.46
LOCATION	L0005541	VOLUME	600189.138	4136067.140	27.44
LOCATION	L0005542	VOLUME	600181.896	4136076.073	27.40
LOCATION	L0005543	VOLUME	600174.654	4136085.006	27.36
LOCATION	L0005544	VOLUME	600167.412	4136093.939	27.33
LOCATION	L0005545	VOLUME	600160.169	4136102.872	27.35
LOCATION	L0005546	VOLUME	600152.927	4136111.805	27.37
LOCATION	L0005547	VOLUME	600145.685	4136120.739	27.39
LOCATION	L0005548	VOLUME	600138.442	4136129.672	27.40
LOCATION	L0005549	VOLUME	600131.200	4136138.605	27.40
LOCATION	L0005550	VOLUME	600123.958	4136147.538	27.41
LOCATION	L0005551	VOLUME	600116.758	4136156.499	27.44
LOCATION	L0005552	VOLUME	600111.183	4136166.558	27.46
LOCATION	L0005553	VOLUME	600105.608	4136176.616	27.47
LOCATION	L0005554	VOLUME	600100.033	4136186.674	27.53
LOCATION	L0005555	VOLUME	600094.458	4136196.733	27.54
LOCATION	L0005556	VOLUME	600088.883	4136206.791	27.42
LOCATION	L0005557	VOLUME	600083.309	4136216.849	27.43
LOCATION	L0005558	VOLUME	600077.734	4136226.908	27.55
LOCATION	L0005559	VOLUME	600072.159	4136236.966	27.63
LOCATION	L0005560	VOLUME	600066.584	4136247.025	27.69
LOCATION	L0005561	VOLUME	600061.009	4136257.083	27.75
LOCATION	L0005562	VOLUME	600055.434	4136267.141	27.74



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LOCATION L0005563	VOLUME	600049.859	4136277.200	27.71
LOCATION L0005564	VOLUME	600044.285	4136287.258	27.70
LOCATION L0005565	VOLUME	600038.710	4136297.316	27.76
LOCATION L0005566	VOLUME	600033.135	4136307.375	27.71
LOCATION L0005567	VOLUME	600027.560	4136317.433	27.57
LOCATION L0005568	VOLUME	600021.985	4136327.492	27.59
LOCATION L0005569	VOLUME	600016.410	4136337.550	27.60
LOCATION L0005570	VOLUME	600010.835	4136347.608	27.64
LOCATION L0005571	VOLUME	600005.261	4136357.667	27.68
LOCATION L0005572	VOLUME	599999.686	4136367.725	27.66
LOCATION L0005573	VOLUME	599994.111	4136377.783	27.63
LOCATION L0005574	VOLUME	599988.536	4136387.842	27.66
LOCATION L0005575	VOLUME	599982.961	4136397.900	27.60
LOCATION L0005576	VOLUME	599977.386	4136407.959	27.45
LOCATION L0005577	VOLUME	599971.811	4136418.017	27.50
LOCATION L0005578	VOLUME	599966.237	4136428.075	27.61
LOCATION L0005579	VOLUME	599960.662	4136438.134	27.64
LOCATION L0005580	VOLUME	599955.087	4136448.192	27.62
LOCATION L0005581	VOLUME	599949.512	4136458.250	27.61
LOCATION L0005582	VOLUME	599943.937	4136468.309	27.67
LOCATION L0005583	VOLUME	599938.362	4136478.367	27.93
LOCATION L0005584	VOLUME	599932.787	4136488.426	27.94
LOCATION L0005585	VOLUME	599927.212	4136498.484	27.67
LOCATION L0005586	VOLUME	599921.638	4136508.542	27.53
LOCATION L0005587	VOLUME	599916.063	4136518.601	27.65
LOCATION L0005588	VOLUME	599910.488	4136528.659	27.86
LOCATION L0005589	VOLUME	599904.913	4136538.717	28.03
LOCATION L0005590	VOLUME	599899.338	4136548.776	28.15

\*\* End of LINE VOLUME Source ID = SLINE1

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC N King - South

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.46E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600372.142, 4135843.215, 27.01, 3.11, 5.35

\*\* 600883.291, 4135204.545, 27.31, 3.11, 5.35

\*\*

LOCATION L0005591	VOLUME	600375.735	4135838.726	27.03
LOCATION L0005592	VOLUME	600382.920	4135829.748	27.00
LOCATION L0005593	VOLUME	600390.106	4135820.769	26.91
LOCATION L0005594	VOLUME	600397.292	4135811.791	26.88
LOCATION L0005595	VOLUME	600404.478	4135802.812	26.91

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LOCATION L0005596	VOLUME	600411.664	4135793.833	26.91
LOCATION L0005597	VOLUME	600418.850	4135784.855	26.95
LOCATION L0005598	VOLUME	600426.035	4135775.876	26.95
LOCATION L0005599	VOLUME	600433.221	4135766.898	26.95
LOCATION L0005600	VOLUME	600440.407	4135757.919	26.89
LOCATION L0005601	VOLUME	600447.593	4135748.941	26.86
LOCATION L0005602	VOLUME	600454.779	4135739.962	26.81
LOCATION L0005603	VOLUME	600461.965	4135730.984	26.79
LOCATION L0005604	VOLUME	600469.150	4135722.005	26.79
LOCATION L0005605	VOLUME	600476.336	4135713.027	26.80
LOCATION L0005606	VOLUME	600483.522	4135704.048	26.80
LOCATION L0005607	VOLUME	600490.708	4135695.070	26.83
LOCATION L0005608	VOLUME	600497.894	4135686.091	26.86
LOCATION L0005609	VOLUME	600505.079	4135677.113	26.83
LOCATION L0005610	VOLUME	600512.265	4135668.134	26.81
LOCATION L0005611	VOLUME	600519.451	4135659.156	26.87
LOCATION L0005612	VOLUME	600526.637	4135650.177	26.91
LOCATION L0005613	VOLUME	600533.823	4135641.199	26.87
LOCATION L0005614	VOLUME	600541.009	4135632.220	26.84
LOCATION L0005615	VOLUME	600548.194	4135623.241	26.84
LOCATION L0005616	VOLUME	600555.380	4135614.263	26.79
LOCATION L0005617	VOLUME	600562.566	4135605.284	26.78
LOCATION L0005618	VOLUME	600569.752	4135596.306	26.84
LOCATION L0005619	VOLUME	600576.938	4135587.327	26.92
LOCATION L0005620	VOLUME	600584.123	4135578.349	26.92
LOCATION L0005621	VOLUME	600591.309	4135569.370	26.97
LOCATION L0005622	VOLUME	600598.495	4135560.392	27.07
LOCATION L0005623	VOLUME	600605.681	4135551.413	27.11
LOCATION L0005624	VOLUME	600612.867	4135542.435	27.09
LOCATION L0005625	VOLUME	600620.053	4135533.456	27.11
LOCATION L0005626	VOLUME	600627.238	4135524.478	27.08
LOCATION L0005627	VOLUME	600634.424	4135515.499	27.00
LOCATION L0005628	VOLUME	600641.610	4135506.521	27.02
LOCATION L0005629	VOLUME	600648.796	4135497.542	27.12
LOCATION L0005630	VOLUME	600655.982	4135488.564	27.13
LOCATION L0005631	VOLUME	600663.168	4135479.585	27.14
LOCATION L0005632	VOLUME	600670.353	4135470.606	27.15
LOCATION L0005633	VOLUME	600677.539	4135461.628	27.11
LOCATION L0005634	VOLUME	600684.725	4135452.649	26.63
LOCATION L0005635	VOLUME	600691.911	4135443.671	26.86
LOCATION L0005636	VOLUME	600699.097	4135434.692	27.29
LOCATION L0005637	VOLUME	600706.282	4135425.714	27.22
LOCATION L0005638	VOLUME	600713.468	4135416.735	27.20
LOCATION L0005639	VOLUME	600720.654	4135407.757	27.33
LOCATION L0005640	VOLUME	600727.840	4135398.778	27.30
LOCATION L0005641	VOLUME	600735.026	4135389.800	27.17
LOCATION L0005642	VOLUME	600742.212	4135380.821	27.16
LOCATION L0005643	VOLUME	600749.397	4135371.843	27.19

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LOCATION	VOLUME				
L0005644	600756.583	4135362.864	26.84		
L0005645	600763.769	4135353.886	26.85		
L0005646	600770.955	4135344.907	27.30		
L0005647	600778.141	4135335.929	27.16		
L0005648	600785.326	4135326.950	26.99		
L0005649	600792.512	4135317.971	27.12		
L0005650	600799.698	4135308.993	27.21		
L0005651	600806.884	4135300.014	26.95		
L0005652	600814.070	4135291.036	27.04		
L0005653	600821.256	4135282.057	27.45		
L0005654	600828.441	4135273.079	26.98		
L0005655	600835.627	4135264.100	26.76		
L0005656	600842.813	4135255.122	27.25		
L0005657	600849.999	4135246.143	27.37		
L0005658	600857.185	4135237.165	26.72		
L0005659	600864.371	4135228.186	26.82		
L0005660	600871.556	4135219.208	27.53		
L0005661	600878.742	4135210.229	27.58		

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Las Plumas

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.12E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600656.983, 4135833.714, 27.74, 3.11, 5.35

\*\* 600502.982, 4135698.609, 26.89, 3.11, 5.35

\*\*

LOCATION	VOLUME				
L0005662	600652.661	4135829.922	27.68		
L0005663	600644.016	4135822.338	27.59		
L0005664	600635.372	4135814.754	27.50		
L0005665	600626.727	4135807.170	27.41		
L0005666	600618.082	4135799.586	27.35		
L0005667	600609.437	4135792.002	27.30		
L0005668	600600.792	4135784.418	27.19		
L0005669	600592.148	4135776.834	27.04		
L0005670	600583.503	4135769.250	26.95		
L0005671	600574.858	4135761.666	26.92		
L0005672	600566.213	4135754.082	26.82		
L0005673	600557.569	4135746.498	26.78		
L0005674	600548.924	4135738.914	26.76		
L0005675	600540.279	4135731.330	26.85		
L0005676	600531.634	4135723.745	26.91		

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LOCATION L0005677      VOLUME    600522.990 4135716.161 26.91  
 LOCATION L0005678      VOLUME    600514.345 4135708.577 26.90  
 LOCATION L0005679      VOLUME    600505.700 4135700.993 26.88

\*\* End of LINE VOLUME Source ID = SLINE3

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC McKee

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.21E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 4

\*\* 600888.611, 4135200.187, 27.59, 3.11, 5.35

\*\* 600621.837, 4134972.644, 26.99, 3.11, 5.35

\*\* 600504.142, 4134871.950, 30.43, 3.11, 5.35

\*\* 600451.834, 4134807.872, 33.21, 3.11, 5.35

\*\*

LOCATION L0005680      VOLUME    600884.237 4135196.456 27.58  
 LOCATION L0005681      VOLUME    600875.487 4135188.993 27.58  
 LOCATION L0005682      VOLUME    600866.737 4135181.530 27.53  
 LOCATION L0005683      VOLUME    600857.988 4135174.067 27.44  
 LOCATION L0005684      VOLUME    600849.238 4135166.604 27.38  
 LOCATION L0005685      VOLUME    600840.489 4135159.141 27.32  
 LOCATION L0005686      VOLUME    600831.739 4135151.678 27.22  
 LOCATION L0005687      VOLUME    600822.990 4135144.215 27.12  
 LOCATION L0005688      VOLUME    600814.240 4135136.753 27.14  
 LOCATION L0005689      VOLUME    600805.490 4135129.290 27.19  
 LOCATION L0005690      VOLUME    600796.741 4135121.827 27.21  
 LOCATION L0005691      VOLUME    600787.991 4135114.364 27.12  
 LOCATION L0005692      VOLUME    600779.242 4135106.901 27.10  
 LOCATION L0005693      VOLUME    600770.492 4135099.438 27.12  
 LOCATION L0005694      VOLUME    600761.742 4135091.975 27.05  
 LOCATION L0005695      VOLUME    600752.993 4135084.512 26.93  
 LOCATION L0005696      VOLUME    600744.243 4135077.049 26.87  
 LOCATION L0005697      VOLUME    600735.494 4135069.587 26.87  
 LOCATION L0005698      VOLUME    600726.744 4135062.124 26.88  
 LOCATION L0005699      VOLUME    600717.994 4135054.661 26.96  
 LOCATION L0005700      VOLUME    600709.245 4135047.198 27.00  
 LOCATION L0005701      VOLUME    600700.495 4135039.735 27.00  
 LOCATION L0005702      VOLUME    600691.746 4135032.272 26.98  
 LOCATION L0005703      VOLUME    600682.996 4135024.809 26.91  
 LOCATION L0005704      VOLUME    600674.246 4135017.346 26.84  
 LOCATION L0005705      VOLUME    600665.497 4135009.883 26.86  
 LOCATION L0005706      VOLUME    600656.747 4135002.421 26.91  
 LOCATION L0005707      VOLUME    600647.998 4134994.958 26.89

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LOCATION	VOLUME	Source ID	Value 1	Value 2	Value 3
L0005708	600639.248	4134987.495	26.83		
L0005709	600630.499	4134980.032	26.83		
L0005710	600621.749	4134972.569	26.96		
L0005711	600613.011	4134965.093	27.08		
L0005712	600604.272	4134957.617	27.04		
L0005713	600595.534	4134950.141	26.98		
L0005714	600586.796	4134942.664	26.92		
L0005715	600578.058	4134935.188	26.88		
L0005716	600569.319	4134927.712	27.00		
L0005717	600560.581	4134920.236	27.33		
L0005718	600551.843	4134912.760	27.80		
L0005719	600543.104	4134905.284	28.29		
L0005720	600534.366	4134897.808	28.60		
L0005721	600525.628	4134890.332	28.85		
L0005722	600516.889	4134882.856	29.25		
L0005723	600508.151	4134875.380	30.21		
L0005724	600500.206	4134867.128	30.52		
L0005725	600492.934	4134858.220	30.97		
L0005726	600485.662	4134849.311	31.83		
L0005727	600478.389	4134840.402	32.64		
L0005728	600471.117	4134831.494	32.86		
L0005729	600463.845	4134822.585	33.27		
L0005730	600456.572	4134813.677	33.78		

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Onsite

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.001794267

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 14

** 600621.810, 4135848.940, 28.17, 3.11, 5.35
** 600495.837, 4135727.205, 27.12, 3.11, 5.35
** 600475.346, 4135749.443, 26.94, 3.11, 5.35
** 600606.227, 4135865.984, 28.33, 3.11, 5.35
** 600584.499, 4135889.295, 28.08, 3.11, 5.35
** 600459.252, 4135767.483, 27.13, 3.11, 5.35
** 600441.580, 4135791.759, 27.02, 3.11, 5.35
** 600573.283, 4135904.781, 27.52, 3.11, 5.35
** 600557.351, 4135924.866, 27.74, 3.11, 5.35
** 600423.825, 4135811.946, 27.28, 3.11, 5.35
** 600404.048, 4135833.441, 27.14, 3.11, 5.35
** 600540.873, 4135937.348, 27.72, 3.11, 5.35
** 600529.074, 4135959.659, 28.05, 3.11, 5.35

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\*\* 600386.372, 4135849.089, 27.07, 3.11, 5.35

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LOCATION L0005731      VOLUME  600617.675 4135844.944 28.00
LOCATION L0005732      VOLUME  600609.406 4135836.953 27.59
LOCATION L0005733      VOLUME  600601.136 4135828.961 27.30
LOCATION L0005734      VOLUME  600592.866 4135820.970 27.21
LOCATION L0005735      VOLUME  600584.597 4135812.979 27.15
LOCATION L0005736      VOLUME  600576.327 4135804.987 27.06
LOCATION L0005737      VOLUME  600568.057 4135796.996 26.95
LOCATION L0005738      VOLUME  600559.788 4135789.004 26.89
LOCATION L0005739      VOLUME  600551.518 4135781.013 26.81
LOCATION L0005740      VOLUME  600543.248 4135773.021 26.71
LOCATION L0005741      VOLUME  600534.979 4135765.030 26.72
LOCATION L0005742      VOLUME  600526.709 4135757.038 26.77
LOCATION L0005743      VOLUME  600518.440 4135749.047 26.83
LOCATION L0005744      VOLUME  600510.170 4135741.056 26.99
LOCATION L0005745      VOLUME  600501.900 4135733.064 27.09
LOCATION L0005746      VOLUME  600493.758 4135729.462 27.13
LOCATION L0005747      VOLUME  600485.965 4135737.919 27.11
LOCATION L0005748      VOLUME  600478.172 4135746.376 27.08
LOCATION L0005749      VOLUME  600480.820 4135754.317 27.16
LOCATION L0005750      VOLUME  600489.409 4135761.965 27.28
LOCATION L0005751      VOLUME  600497.997 4135769.613 27.27
LOCATION L0005752      VOLUME  600506.586 4135777.260 27.09
LOCATION L0005753      VOLUME  600515.175 4135784.908 26.98
LOCATION L0005754      VOLUME  600523.763 4135792.555 26.95
LOCATION L0005755      VOLUME  600532.352 4135800.203 26.98
LOCATION L0005756      VOLUME  600540.940 4135807.851 27.01
LOCATION L0005757      VOLUME  600549.529 4135815.498 27.08
LOCATION L0005758      VOLUME  600558.118 4135823.146 27.17
LOCATION L0005759      VOLUME  600566.706 4135830.794 27.25
LOCATION L0005760      VOLUME  600575.295 4135838.441 27.29
LOCATION L0005761      VOLUME  600583.883 4135846.089 27.45
LOCATION L0005762      VOLUME  600592.472 4135853.736 27.73
LOCATION L0005763      VOLUME  600601.061 4135861.384 28.17
LOCATION L0005764      VOLUME  600603.102 4135869.336 28.25
LOCATION L0005765      VOLUME  600595.261 4135877.749 28.12
LOCATION L0005766      VOLUME  600587.420 4135886.161 28.02
LOCATION L0005767      VOLUME  600579.326 4135884.265 27.72
LOCATION L0005768      VOLUME  600571.082 4135876.247 27.39
LOCATION L0005769      VOLUME  600562.838 4135868.229 27.23
LOCATION L0005770      VOLUME  600554.594 4135860.211 27.22
LOCATION L0005771      VOLUME  600546.351 4135852.193 27.23
LOCATION L0005772      VOLUME  600538.107 4135844.175 27.24
LOCATION L0005773      VOLUME  600529.863 4135836.157 27.26
LOCATION L0005774      VOLUME  600521.619 4135828.139 27.25
LOCATION L0005775      VOLUME  600513.375 4135820.121 27.23
LOCATION L0005776      VOLUME  600505.131 4135812.103 27.24

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LOCATION L0005777	VOLUME	600496.887	4135804.086	27.27
LOCATION L0005778	VOLUME	600488.643	4135796.068	27.28
LOCATION L0005779	VOLUME	600480.399	4135788.050	27.27
LOCATION L0005780	VOLUME	600472.155	4135780.032	27.24
LOCATION L0005781	VOLUME	600463.911	4135772.014	27.16
LOCATION L0005782	VOLUME	600456.309	4135771.526	27.11
LOCATION L0005783	VOLUME	600449.541	4135780.824	27.06
LOCATION L0005784	VOLUME	600442.772	4135790.121	27.01
LOCATION L0005785	VOLUME	600448.770	4135797.929	27.04
LOCATION L0005786	VOLUME	600457.497	4135805.418	27.26
LOCATION L0005787	VOLUME	600466.224	4135812.907	27.41
LOCATION L0005788	VOLUME	600474.951	4135820.397	27.45
LOCATION L0005789	VOLUME	600483.678	4135827.886	27.46
LOCATION L0005790	VOLUME	600492.405	4135835.375	27.43
LOCATION L0005791	VOLUME	600501.132	4135842.864	27.40
LOCATION L0005792	VOLUME	600509.859	4135850.353	27.38
LOCATION L0005793	VOLUME	600518.586	4135857.843	27.37
LOCATION L0005794	VOLUME	600527.313	4135865.332	27.32
LOCATION L0005795	VOLUME	600536.040	4135872.821	27.24
LOCATION L0005796	VOLUME	600544.767	4135880.310	27.16
LOCATION L0005797	VOLUME	600553.494	4135887.800	27.20
LOCATION L0005798	VOLUME	600562.221	4135895.289	27.33
LOCATION L0005799	VOLUME	600570.948	4135902.778	27.61
LOCATION L0005800	VOLUME	600568.048	4135911.381	27.62
LOCATION L0005801	VOLUME	600560.901	4135920.390	27.62
LOCATION L0005802	VOLUME	600552.932	4135921.129	27.51
LOCATION L0005803	VOLUME	600544.151	4135913.703	27.31
LOCATION L0005804	VOLUME	600535.370	4135906.277	27.26
LOCATION L0005805	VOLUME	600526.589	4135898.851	27.29
LOCATION L0005806	VOLUME	600517.808	4135891.425	27.38
LOCATION L0005807	VOLUME	600509.027	4135884.000	27.44
LOCATION L0005808	VOLUME	600500.246	4135876.574	27.49
LOCATION L0005809	VOLUME	600491.465	4135869.148	27.52
LOCATION L0005810	VOLUME	600482.684	4135861.722	27.52
LOCATION L0005811	VOLUME	600473.903	4135854.296	27.54
LOCATION L0005812	VOLUME	600465.122	4135846.870	27.58
LOCATION L0005813	VOLUME	600456.341	4135839.444	27.65
LOCATION L0005814	VOLUME	600447.560	4135832.018	27.75
LOCATION L0005815	VOLUME	600438.779	4135824.592	27.65
LOCATION L0005816	VOLUME	600429.998	4135817.166	27.45
LOCATION L0005817	VOLUME	600421.512	4135814.459	27.38
LOCATION L0005818	VOLUME	600413.726	4135822.922	27.38
LOCATION L0005819	VOLUME	600405.940	4135831.385	27.26
LOCATION L0005820	VOLUME	600410.981	4135838.706	27.34
LOCATION L0005821	VOLUME	600420.140	4135845.661	27.47
LOCATION L0005822	VOLUME	600429.298	4135852.616	27.49
LOCATION L0005823	VOLUME	600438.457	4135859.571	27.52
LOCATION L0005824	VOLUME	600447.615	4135866.526	27.58

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LOCATION L0005825	VOLUME	600456.773	4135873.481	27.58
LOCATION L0005826	VOLUME	600465.932	4135880.437	27.60
LOCATION L0005827	VOLUME	600475.090	4135887.392	27.60
LOCATION L0005828	VOLUME	600484.249	4135894.347	27.59
LOCATION L0005829	VOLUME	600493.407	4135901.302	27.58
LOCATION L0005830	VOLUME	600502.566	4135908.257	27.50
LOCATION L0005831	VOLUME	600511.724	4135915.212	27.41
LOCATION L0005832	VOLUME	600520.882	4135922.167	27.34
LOCATION L0005833	VOLUME	600530.041	4135929.122	27.51
LOCATION L0005834	VOLUME	600539.199	4135936.077	27.75
LOCATION L0005835	VOLUME	600536.479	4135945.656	27.98
LOCATION L0005836	VOLUME	600531.103	4135955.822	28.10
LOCATION L0005837	VOLUME	600523.414	4135955.274	27.97
LOCATION L0005838	VOLUME	600514.324	4135948.230	27.75
LOCATION L0005839	VOLUME	600505.233	4135941.187	27.66
LOCATION L0005840	VOLUME	600496.143	4135934.143	27.63
LOCATION L0005841	VOLUME	600487.052	4135927.100	27.59
LOCATION L0005842	VOLUME	600477.962	4135920.056	27.50
LOCATION L0005843	VOLUME	600468.871	4135913.012	27.49
LOCATION L0005844	VOLUME	600459.781	4135905.969	27.57
LOCATION L0005845	VOLUME	600450.690	4135898.925	27.60
LOCATION L0005846	VOLUME	600441.600	4135891.881	27.58
LOCATION L0005847	VOLUME	600432.509	4135884.838	27.55
LOCATION L0005848	VOLUME	600423.419	4135877.794	27.48
LOCATION L0005849	VOLUME	600414.328	4135870.750	27.39
LOCATION L0005850	VOLUME	600405.238	4135863.707	27.23
LOCATION L0005851	VOLUME	600396.147	4135856.663	27.04
LOCATION L0005852	VOLUME	600387.057	4135849.620	27.04

\*\* End of LINE VOLUME Source ID = SLINE5

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0005517	0.000000627	3.11	5.35	2.89
SRCPARAM L0005518	0.000000627	3.11	5.35	2.89
SRCPARAM L0005519	0.000000627	3.11	5.35	2.89
SRCPARAM L0005520	0.000000627	3.11	5.35	2.89
SRCPARAM L0005521	0.000000627	3.11	5.35	2.89
SRCPARAM L0005522	0.000000627	3.11	5.35	2.89
SRCPARAM L0005523	0.000000627	3.11	5.35	2.89
SRCPARAM L0005524	0.000000627	3.11	5.35	2.89
SRCPARAM L0005525	0.000000627	3.11	5.35	2.89
SRCPARAM L0005526	0.000000627	3.11	5.35	2.89
SRCPARAM L0005527	0.000000627	3.11	5.35	2.89
SRCPARAM L0005528	0.000000627	3.11	5.35	2.89
SRCPARAM L0005529	0.000000627	3.11	5.35	2.89
SRCPARAM L0005530	0.000000627	3.11	5.35	2.89
SRCPARAM L0005531	0.000000627	3.11	5.35	2.89
SRCPARAM L0005532	0.000000627	3.11	5.35	2.89
SRCPARAM L0005533	0.000000627	3.11	5.35	2.89





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SRCPARAM L0005582	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005583	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005584	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005585	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005586	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005587	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005588	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005589	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005590	0.0000000627	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM L0005591	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005592	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005593	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005594	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005595	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005596	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005597	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005598	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005599	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005600	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005601	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005602	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005603	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005604	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005605	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005606	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005607	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005608	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005609	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005610	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005611	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005612	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005613	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005614	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005615	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005616	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005617	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005618	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005619	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005620	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005621	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005622	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005623	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005624	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005625	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005626	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005627	0.00000006282	3.11	5.35	2.89

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SRCPARAM L0005628	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005629	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005630	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005631	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005632	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005633	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005634	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005635	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005636	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005637	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005638	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005639	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005640	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005641	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005642	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005643	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005644	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005645	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005646	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005647	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005648	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005649	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005650	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005651	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005652	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005653	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005654	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005655	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005656	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005657	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005658	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005659	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005660	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005661	0.00000006282	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM L0005662	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005663	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005664	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005665	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005666	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005667	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005668	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005669	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005670	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005671	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005672	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005673	0.00000006222	3.11	5.35	2.89

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SRCPARAM	L0005674	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005675	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005676	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005677	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005678	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005679	0.00000006222	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0005680	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005681	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005682	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005683	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005684	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005685	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005686	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005687	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005688	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005689	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005690	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005691	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005692	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005693	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005694	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005695	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005696	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005697	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005698	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005699	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005700	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005701	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005702	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005703	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005704	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005705	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005706	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005707	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005708	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005709	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005710	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005711	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005712	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005713	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005714	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005715	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005716	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005717	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005718	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005719	0.00000006294	3.11	5.35	2.89

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SRCPARAM	L0005720	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005721	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005722	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005723	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005724	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005725	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005726	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005727	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005728	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005729	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005730	0.00000006294	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM	L0005731	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005732	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005733	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005734	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005735	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005736	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005737	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005738	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005739	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005740	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005741	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005742	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005743	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005744	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005745	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005746	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005747	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005748	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005749	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005750	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005751	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005752	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005753	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005754	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005755	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005756	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005757	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005758	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005759	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005760	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005761	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005762	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005763	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005764	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005765	0.0000147071	3.11	5.35	2.89

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SRCPARAM L0005766	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005767	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005768	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005769	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005770	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005771	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005772	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005773	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005774	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005775	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005776	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005777	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005778	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005779	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005780	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005781	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005782	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005783	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005784	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005785	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005786	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005787	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005788	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005789	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005790	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005791	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005792	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005793	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005794	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005795	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005796	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005797	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005798	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005799	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005800	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005801	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005802	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005803	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005804	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005805	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005806	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005807	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005808	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005809	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005810	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005811	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005812	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005813	0.0000147071	3.11	5.35	2.89

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SRCPARAM	L0005814	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005815	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005816	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005817	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005818	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005819	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005820	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005821	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005822	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005823	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005824	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005825	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005826	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005827	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005828	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005829	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005830	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005831	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005832	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005833	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005834	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005835	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005836	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005837	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005838	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005839	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005840	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005841	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005842	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005843	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005844	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005845	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005846	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005847	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005848	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005849	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005850	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005851	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005852	0.0000147071	3.11	5.35	2.89

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URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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650 N King\_Const.ADI

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RE STARTING  
INCLUDED "650 N King\_Const.rou"  
RE FINISHED

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\*\* AERMOD Meteorology Pathway  
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ME STARTING  
\*\* Surface File Path: C:\Lakes\AERMOD View\650 N King\_Const\  
SURFFILE 724945.SFC  
\*\* Profile File Path: C:\Lakes\AERMOD View\650 N King\_Const\  
PROFFILE 724945.PFL  
SURFDATA 23293 2009  
UAIRDATA 23230 2009 OAKLAND/WSO\_AP  
PROFBASE 15.5 METERS

ME FINISHED

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\*\* AERMOD Output Pathway  
\*\*\*\*\*

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OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD View\650 N King\_Const\650 N  
KING\_CONST.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\650 N King\_Const\650 N  
KING\_CONST.AD\PE00GALL.PLT" 32  
SUMMFILE "C:\Lakes\AERMOD View\650 N King\_Const\650 N King\_Const.sum"

OU FINISHED

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\*\* Project Parameters  
\*\*\*\*\*

\*\* PROJCTN CoordinateSystemUTM  
\*\* DESCPTN UTM: Universal Transverse Mercator  
\*\* DATUM World Geodetic System 1984  
\*\* DTMRGN Global Definition  
\*\* UNITS m  
\*\* ZONE 10  
\*\* ZONEINX 0

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650 N King\_Const.ADO

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 10.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 8/11/2021

\*\* File: C:\Lakes\AERMOD View\650 N King\_Const\650 N King\_Const.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE 650 N King Construction

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1928000

POLLUTID PM\_2.5

RUNORNOT RUN

ERRORFIL "650 N King\_Const.err"

CO FINISHED

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\*\* AERMOD Source Pathway

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SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC N King - North

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.64E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600366.574, 4135848.280, 27.08, 3.11, 5.35

\*\* 600116.898, 4136156.245, 27.24, 3.11, 5.35

650 N King\_Const.ADO

\*\* 599897.218, 4136552.602, 28.09, 3.11, 5.35

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LOCATION	L0005517	VOLUME	600362.953	4135852.747	27.07
LOCATION	L0005518	VOLUME	600355.711	4135861.680	27.15
LOCATION	L0005519	VOLUME	600348.468	4135870.613	27.18
LOCATION	L0005520	VOLUME	600341.226	4135879.546	27.15
LOCATION	L0005521	VOLUME	600333.984	4135888.479	27.20
LOCATION	L0005522	VOLUME	600326.742	4135897.412	27.27
LOCATION	L0005523	VOLUME	600319.499	4135906.345	27.27
LOCATION	L0005524	VOLUME	600312.257	4135915.278	27.26
LOCATION	L0005525	VOLUME	600305.015	4135924.211	27.24
LOCATION	L0005526	VOLUME	600297.773	4135933.144	27.25
LOCATION	L0005527	VOLUME	600290.530	4135942.077	27.22
LOCATION	L0005528	VOLUME	600283.288	4135951.011	27.19
LOCATION	L0005529	VOLUME	600276.046	4135959.944	27.19
LOCATION	L0005530	VOLUME	600268.803	4135968.877	27.20
LOCATION	L0005531	VOLUME	600261.561	4135977.810	27.25
LOCATION	L0005532	VOLUME	600254.319	4135986.743	27.29
LOCATION	L0005533	VOLUME	600247.077	4135995.676	27.33
LOCATION	L0005534	VOLUME	600239.834	4136004.609	27.43
LOCATION	L0005535	VOLUME	600232.592	4136013.542	27.50
LOCATION	L0005536	VOLUME	600225.350	4136022.475	27.54
LOCATION	L0005537	VOLUME	600218.108	4136031.408	27.54
LOCATION	L0005538	VOLUME	600210.865	4136040.341	27.50
LOCATION	L0005539	VOLUME	600203.623	4136049.274	27.49
LOCATION	L0005540	VOLUME	600196.381	4136058.207	27.46
LOCATION	L0005541	VOLUME	600189.138	4136067.140	27.44
LOCATION	L0005542	VOLUME	600181.896	4136076.073	27.40
LOCATION	L0005543	VOLUME	600174.654	4136085.006	27.36
LOCATION	L0005544	VOLUME	600167.412	4136093.939	27.33
LOCATION	L0005545	VOLUME	600160.169	4136102.872	27.35
LOCATION	L0005546	VOLUME	600152.927	4136111.805	27.37
LOCATION	L0005547	VOLUME	600145.685	4136120.739	27.39
LOCATION	L0005548	VOLUME	600138.442	4136129.672	27.40
LOCATION	L0005549	VOLUME	600131.200	4136138.605	27.40
LOCATION	L0005550	VOLUME	600123.958	4136147.538	27.41
LOCATION	L0005551	VOLUME	600116.758	4136156.499	27.44
LOCATION	L0005552	VOLUME	600111.183	4136166.558	27.46
LOCATION	L0005553	VOLUME	600105.608	4136176.616	27.47
LOCATION	L0005554	VOLUME	600100.033	4136186.674	27.53
LOCATION	L0005555	VOLUME	600094.458	4136196.733	27.54
LOCATION	L0005556	VOLUME	600088.883	4136206.791	27.42
LOCATION	L0005557	VOLUME	600083.309	4136216.849	27.43
LOCATION	L0005558	VOLUME	600077.734	4136226.908	27.55
LOCATION	L0005559	VOLUME	600072.159	4136236.966	27.63
LOCATION	L0005560	VOLUME	600066.584	4136247.025	27.69
LOCATION	L0005561	VOLUME	600061.009	4136257.083	27.75
LOCATION	L0005562	VOLUME	600055.434	4136267.141	27.74

650 N King\_Const.ADO

LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0005563	600049.859	4136277.200	27.71	
L0005564	600044.285	4136287.258	27.70	
L0005565	600038.710	4136297.316	27.76	
L0005566	600033.135	4136307.375	27.71	
L0005567	600027.560	4136317.433	27.57	
L0005568	600021.985	4136327.492	27.59	
L0005569	600016.410	4136337.550	27.60	
L0005570	600010.835	4136347.608	27.64	
L0005571	600005.261	4136357.667	27.68	
L0005572	599999.686	4136367.725	27.66	
L0005573	599994.111	4136377.783	27.63	
L0005574	599988.536	4136387.842	27.66	
L0005575	599982.961	4136397.900	27.60	
L0005576	599977.386	4136407.959	27.45	
L0005577	599971.811	4136418.017	27.50	
L0005578	599966.237	4136428.075	27.61	
L0005579	599960.662	4136438.134	27.64	
L0005580	599955.087	4136448.192	27.62	
L0005581	599949.512	4136458.250	27.61	
L0005582	599943.937	4136468.309	27.67	
L0005583	599938.362	4136478.367	27.93	
L0005584	599932.787	4136488.426	27.94	
L0005585	599927.212	4136498.484	27.67	
L0005586	599921.638	4136508.542	27.53	
L0005587	599916.063	4136518.601	27.65	
L0005588	599910.488	4136528.659	27.86	
L0005589	599904.913	4136538.717	28.03	
L0005590	599899.338	4136548.776	28.15	

\*\* End of LINE VOLUME Source ID = SLINE1

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC N King - South

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.46E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600372.142, 4135843.215, 27.01, 3.11, 5.35

\*\* 600883.291, 4135204.545, 27.31, 3.11, 5.35

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LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0005591	600375.735	4135838.726	27.03	
L0005592	600382.920	4135829.748	27.00	
L0005593	600390.106	4135820.769	26.91	
L0005594	600397.292	4135811.791	26.88	
L0005595	600404.478	4135802.812	26.91	

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LOCATION L0005596	VOLUME	600411.664	4135793.833	26.91
LOCATION L0005597	VOLUME	600418.850	4135784.855	26.95
LOCATION L0005598	VOLUME	600426.035	4135775.876	26.95
LOCATION L0005599	VOLUME	600433.221	4135766.898	26.95
LOCATION L0005600	VOLUME	600440.407	4135757.919	26.89
LOCATION L0005601	VOLUME	600447.593	4135748.941	26.86
LOCATION L0005602	VOLUME	600454.779	4135739.962	26.81
LOCATION L0005603	VOLUME	600461.965	4135730.984	26.79
LOCATION L0005604	VOLUME	600469.150	4135722.005	26.79
LOCATION L0005605	VOLUME	600476.336	4135713.027	26.80
LOCATION L0005606	VOLUME	600483.522	4135704.048	26.80
LOCATION L0005607	VOLUME	600490.708	4135695.070	26.83
LOCATION L0005608	VOLUME	600497.894	4135686.091	26.86
LOCATION L0005609	VOLUME	600505.079	4135677.113	26.83
LOCATION L0005610	VOLUME	600512.265	4135668.134	26.81
LOCATION L0005611	VOLUME	600519.451	4135659.156	26.87
LOCATION L0005612	VOLUME	600526.637	4135650.177	26.91
LOCATION L0005613	VOLUME	600533.823	4135641.199	26.87
LOCATION L0005614	VOLUME	600541.009	4135632.220	26.84
LOCATION L0005615	VOLUME	600548.194	4135623.241	26.84
LOCATION L0005616	VOLUME	600555.380	4135614.263	26.79
LOCATION L0005617	VOLUME	600562.566	4135605.284	26.78
LOCATION L0005618	VOLUME	600569.752	4135596.306	26.84
LOCATION L0005619	VOLUME	600576.938	4135587.327	26.92
LOCATION L0005620	VOLUME	600584.123	4135578.349	26.92
LOCATION L0005621	VOLUME	600591.309	4135569.370	26.97
LOCATION L0005622	VOLUME	600598.495	4135560.392	27.07
LOCATION L0005623	VOLUME	600605.681	4135551.413	27.11
LOCATION L0005624	VOLUME	600612.867	4135542.435	27.09
LOCATION L0005625	VOLUME	600620.053	4135533.456	27.11
LOCATION L0005626	VOLUME	600627.238	4135524.478	27.08
LOCATION L0005627	VOLUME	600634.424	4135515.499	27.00
LOCATION L0005628	VOLUME	600641.610	4135506.521	27.02
LOCATION L0005629	VOLUME	600648.796	4135497.542	27.12
LOCATION L0005630	VOLUME	600655.982	4135488.564	27.13
LOCATION L0005631	VOLUME	600663.168	4135479.585	27.14
LOCATION L0005632	VOLUME	600670.353	4135470.606	27.15
LOCATION L0005633	VOLUME	600677.539	4135461.628	27.11
LOCATION L0005634	VOLUME	600684.725	4135452.649	26.63
LOCATION L0005635	VOLUME	600691.911	4135443.671	26.86
LOCATION L0005636	VOLUME	600699.097	4135434.692	27.29
LOCATION L0005637	VOLUME	600706.282	4135425.714	27.22
LOCATION L0005638	VOLUME	600713.468	4135416.735	27.20
LOCATION L0005639	VOLUME	600720.654	4135407.757	27.33
LOCATION L0005640	VOLUME	600727.840	4135398.778	27.30
LOCATION L0005641	VOLUME	600735.026	4135389.800	27.17
LOCATION L0005642	VOLUME	600742.212	4135380.821	27.16
LOCATION L0005643	VOLUME	600749.397	4135371.843	27.19

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LOCATION L0005644	VOLUME	600756.583	4135362.864	26.84
LOCATION L0005645	VOLUME	600763.769	4135353.886	26.85
LOCATION L0005646	VOLUME	600770.955	4135344.907	27.30
LOCATION L0005647	VOLUME	600778.141	4135335.929	27.16
LOCATION L0005648	VOLUME	600785.326	4135326.950	26.99
LOCATION L0005649	VOLUME	600792.512	4135317.971	27.12
LOCATION L0005650	VOLUME	600799.698	4135308.993	27.21
LOCATION L0005651	VOLUME	600806.884	4135300.014	26.95
LOCATION L0005652	VOLUME	600814.070	4135291.036	27.04
LOCATION L0005653	VOLUME	600821.256	4135282.057	27.45
LOCATION L0005654	VOLUME	600828.441	4135273.079	26.98
LOCATION L0005655	VOLUME	600835.627	4135264.100	26.76
LOCATION L0005656	VOLUME	600842.813	4135255.122	27.25
LOCATION L0005657	VOLUME	600849.999	4135246.143	27.37
LOCATION L0005658	VOLUME	600857.185	4135237.165	26.72
LOCATION L0005659	VOLUME	600864.371	4135228.186	26.82
LOCATION L0005660	VOLUME	600871.556	4135219.208	27.53
LOCATION L0005661	VOLUME	600878.742	4135210.229	27.58

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Las Plumas

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.12E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600656.983, 4135833.714, 27.74, 3.11, 5.35

\*\* 600502.982, 4135698.609, 26.89, 3.11, 5.35

\*\*

LOCATION L0005662	VOLUME	600652.661	4135829.922	27.68
LOCATION L0005663	VOLUME	600644.016	4135822.338	27.59
LOCATION L0005664	VOLUME	600635.372	4135814.754	27.50
LOCATION L0005665	VOLUME	600626.727	4135807.170	27.41
LOCATION L0005666	VOLUME	600618.082	4135799.586	27.35
LOCATION L0005667	VOLUME	600609.437	4135792.002	27.30
LOCATION L0005668	VOLUME	600600.792	4135784.418	27.19
LOCATION L0005669	VOLUME	600592.148	4135776.834	27.04
LOCATION L0005670	VOLUME	600583.503	4135769.250	26.95
LOCATION L0005671	VOLUME	600574.858	4135761.666	26.92
LOCATION L0005672	VOLUME	600566.213	4135754.082	26.82
LOCATION L0005673	VOLUME	600557.569	4135746.498	26.78
LOCATION L0005674	VOLUME	600548.924	4135738.914	26.76
LOCATION L0005675	VOLUME	600540.279	4135731.330	26.85
LOCATION L0005676	VOLUME	600531.634	4135723.745	26.91

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LOCATION L0005677      VOLUME    600522.990 4135716.161 26.91  
LOCATION L0005678      VOLUME    600514.345 4135708.577 26.90  
LOCATION L0005679      VOLUME    600505.700 4135700.993 26.88

\*\* End of LINE VOLUME Source ID = SLINE3

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC McKee

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.21E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 4

\*\* 600888.611, 4135200.187, 27.59, 3.11, 5.35

\*\* 600621.837, 4134972.644, 26.99, 3.11, 5.35

\*\* 600504.142, 4134871.950, 30.43, 3.11, 5.35

\*\* 600451.834, 4134807.872, 33.21, 3.11, 5.35

\*\*

LOCATION L0005680      VOLUME    600884.237 4135196.456 27.58  
LOCATION L0005681      VOLUME    600875.487 4135188.993 27.58  
LOCATION L0005682      VOLUME    600866.737 4135181.530 27.53  
LOCATION L0005683      VOLUME    600857.988 4135174.067 27.44  
LOCATION L0005684      VOLUME    600849.238 4135166.604 27.38  
LOCATION L0005685      VOLUME    600840.489 4135159.141 27.32  
LOCATION L0005686      VOLUME    600831.739 4135151.678 27.22  
LOCATION L0005687      VOLUME    600822.990 4135144.215 27.12  
LOCATION L0005688      VOLUME    600814.240 4135136.753 27.14  
LOCATION L0005689      VOLUME    600805.490 4135129.290 27.19  
LOCATION L0005690      VOLUME    600796.741 4135121.827 27.21  
LOCATION L0005691      VOLUME    600787.991 4135114.364 27.12  
LOCATION L0005692      VOLUME    600779.242 4135106.901 27.10  
LOCATION L0005693      VOLUME    600770.492 4135099.438 27.12  
LOCATION L0005694      VOLUME    600761.742 4135091.975 27.05  
LOCATION L0005695      VOLUME    600752.993 4135084.512 26.93  
LOCATION L0005696      VOLUME    600744.243 4135077.049 26.87  
LOCATION L0005697      VOLUME    600735.494 4135069.587 26.87  
LOCATION L0005698      VOLUME    600726.744 4135062.124 26.88  
LOCATION L0005699      VOLUME    600717.994 4135054.661 26.96  
LOCATION L0005700      VOLUME    600709.245 4135047.198 27.00  
LOCATION L0005701      VOLUME    600700.495 4135039.735 27.00  
LOCATION L0005702      VOLUME    600691.746 4135032.272 26.98  
LOCATION L0005703      VOLUME    600682.996 4135024.809 26.91  
LOCATION L0005704      VOLUME    600674.246 4135017.346 26.84  
LOCATION L0005705      VOLUME    600665.497 4135009.883 26.86  
LOCATION L0005706      VOLUME    600656.747 4135002.421 26.91  
LOCATION L0005707      VOLUME    600647.998 4134994.958 26.89

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LOCATION L0005708	VOLUME	600639.248	4134987.495	26.83
LOCATION L0005709	VOLUME	600630.499	4134980.032	26.83
LOCATION L0005710	VOLUME	600621.749	4134972.569	26.96
LOCATION L0005711	VOLUME	600613.011	4134965.093	27.08
LOCATION L0005712	VOLUME	600604.272	4134957.617	27.04
LOCATION L0005713	VOLUME	600595.534	4134950.141	26.98
LOCATION L0005714	VOLUME	600586.796	4134942.664	26.92
LOCATION L0005715	VOLUME	600578.058	4134935.188	26.88
LOCATION L0005716	VOLUME	600569.319	4134927.712	27.00
LOCATION L0005717	VOLUME	600560.581	4134920.236	27.33
LOCATION L0005718	VOLUME	600551.843	4134912.760	27.80
LOCATION L0005719	VOLUME	600543.104	4134905.284	28.29
LOCATION L0005720	VOLUME	600534.366	4134897.808	28.60
LOCATION L0005721	VOLUME	600525.628	4134890.332	28.85
LOCATION L0005722	VOLUME	600516.889	4134882.856	29.25
LOCATION L0005723	VOLUME	600508.151	4134875.380	30.21
LOCATION L0005724	VOLUME	600500.206	4134867.128	30.52
LOCATION L0005725	VOLUME	600492.934	4134858.220	30.97
LOCATION L0005726	VOLUME	600485.662	4134849.311	31.83
LOCATION L0005727	VOLUME	600478.389	4134840.402	32.64
LOCATION L0005728	VOLUME	600471.117	4134831.494	32.86
LOCATION L0005729	VOLUME	600463.845	4134822.585	33.27
LOCATION L0005730	VOLUME	600456.572	4134813.677	33.78

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Onsite

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.001794267

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 14

\*\* 600621.810, 4135848.940, 28.17, 3.11, 5.35

\*\* 600495.837, 4135727.205, 27.12, 3.11, 5.35

\*\* 600475.346, 4135749.443, 26.94, 3.11, 5.35

\*\* 600606.227, 4135865.984, 28.33, 3.11, 5.35

\*\* 600584.499, 4135889.295, 28.08, 3.11, 5.35

\*\* 600459.252, 4135767.483, 27.13, 3.11, 5.35

\*\* 600441.580, 4135791.759, 27.02, 3.11, 5.35

\*\* 600573.283, 4135904.781, 27.52, 3.11, 5.35

\*\* 600557.351, 4135924.866, 27.74, 3.11, 5.35

\*\* 600423.825, 4135811.946, 27.28, 3.11, 5.35

\*\* 600404.048, 4135833.441, 27.14, 3.11, 5.35

\*\* 600540.873, 4135937.348, 27.72, 3.11, 5.35

\*\* 600529.074, 4135959.659, 28.05, 3.11, 5.35

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\*\* 600386.372, 4135849.089, 27.07, 3.11, 5.35

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LOCATION L0005731      VOLUME  600617.675 4135844.944 28.00
LOCATION L0005732      VOLUME  600609.406 4135836.953 27.59
LOCATION L0005733      VOLUME  600601.136 4135828.961 27.30
LOCATION L0005734      VOLUME  600592.866 4135820.970 27.21
LOCATION L0005735      VOLUME  600584.597 4135812.979 27.15
LOCATION L0005736      VOLUME  600576.327 4135804.987 27.06
LOCATION L0005737      VOLUME  600568.057 4135796.996 26.95
LOCATION L0005738      VOLUME  600559.788 4135789.004 26.89
LOCATION L0005739      VOLUME  600551.518 4135781.013 26.81
LOCATION L0005740      VOLUME  600543.248 4135773.021 26.71
LOCATION L0005741      VOLUME  600534.979 4135765.030 26.72
LOCATION L0005742      VOLUME  600526.709 4135757.038 26.77
LOCATION L0005743      VOLUME  600518.440 4135749.047 26.83
LOCATION L0005744      VOLUME  600510.170 4135741.056 26.99
LOCATION L0005745      VOLUME  600501.900 4135733.064 27.09
LOCATION L0005746      VOLUME  600493.758 4135729.462 27.13
LOCATION L0005747      VOLUME  600485.965 4135737.919 27.11
LOCATION L0005748      VOLUME  600478.172 4135746.376 27.08
LOCATION L0005749      VOLUME  600480.820 4135754.317 27.16
LOCATION L0005750      VOLUME  600489.409 4135761.965 27.28
LOCATION L0005751      VOLUME  600497.997 4135769.613 27.27
LOCATION L0005752      VOLUME  600506.586 4135777.260 27.09
LOCATION L0005753      VOLUME  600515.175 4135784.908 26.98
LOCATION L0005754      VOLUME  600523.763 4135792.555 26.95
LOCATION L0005755      VOLUME  600532.352 4135800.203 26.98
LOCATION L0005756      VOLUME  600540.940 4135807.851 27.01
LOCATION L0005757      VOLUME  600549.529 4135815.498 27.08
LOCATION L0005758      VOLUME  600558.118 4135823.146 27.17
LOCATION L0005759      VOLUME  600566.706 4135830.794 27.25
LOCATION L0005760      VOLUME  600575.295 4135838.441 27.29
LOCATION L0005761      VOLUME  600583.883 4135846.089 27.45
LOCATION L0005762      VOLUME  600592.472 4135853.736 27.73
LOCATION L0005763      VOLUME  600601.061 4135861.384 28.17
LOCATION L0005764      VOLUME  600603.102 4135869.336 28.25
LOCATION L0005765      VOLUME  600595.261 4135877.749 28.12
LOCATION L0005766      VOLUME  600587.420 4135886.161 28.02
LOCATION L0005767      VOLUME  600579.326 4135884.265 27.72
LOCATION L0005768      VOLUME  600571.082 4135876.247 27.39
LOCATION L0005769      VOLUME  600562.838 4135868.229 27.23
LOCATION L0005770      VOLUME  600554.594 4135860.211 27.22
LOCATION L0005771      VOLUME  600546.351 4135852.193 27.23
LOCATION L0005772      VOLUME  600538.107 4135844.175 27.24
LOCATION L0005773      VOLUME  600529.863 4135836.157 27.26
LOCATION L0005774      VOLUME  600521.619 4135828.139 27.25
LOCATION L0005775      VOLUME  600513.375 4135820.121 27.23
LOCATION L0005776      VOLUME  600505.131 4135812.103 27.24

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LOCATION L0005777	VOLUME	600496.887	4135804.086	27.27
LOCATION L0005778	VOLUME	600488.643	4135796.068	27.28
LOCATION L0005779	VOLUME	600480.399	4135788.050	27.27
LOCATION L0005780	VOLUME	600472.155	4135780.032	27.24
LOCATION L0005781	VOLUME	600463.911	4135772.014	27.16
LOCATION L0005782	VOLUME	600456.309	4135771.526	27.11
LOCATION L0005783	VOLUME	600449.541	4135780.824	27.06
LOCATION L0005784	VOLUME	600442.772	4135790.121	27.01
LOCATION L0005785	VOLUME	600448.770	4135797.929	27.04
LOCATION L0005786	VOLUME	600457.497	4135805.418	27.26
LOCATION L0005787	VOLUME	600466.224	4135812.907	27.41
LOCATION L0005788	VOLUME	600474.951	4135820.397	27.45
LOCATION L0005789	VOLUME	600483.678	4135827.886	27.46
LOCATION L0005790	VOLUME	600492.405	4135835.375	27.43
LOCATION L0005791	VOLUME	600501.132	4135842.864	27.40
LOCATION L0005792	VOLUME	600509.859	4135850.353	27.38
LOCATION L0005793	VOLUME	600518.586	4135857.843	27.37
LOCATION L0005794	VOLUME	600527.313	4135865.332	27.32
LOCATION L0005795	VOLUME	600536.040	4135872.821	27.24
LOCATION L0005796	VOLUME	600544.767	4135880.310	27.16
LOCATION L0005797	VOLUME	600553.494	4135887.800	27.20
LOCATION L0005798	VOLUME	600562.221	4135895.289	27.33
LOCATION L0005799	VOLUME	600570.948	4135902.778	27.61
LOCATION L0005800	VOLUME	600568.048	4135911.381	27.62
LOCATION L0005801	VOLUME	600560.901	4135920.390	27.62
LOCATION L0005802	VOLUME	600552.932	4135921.129	27.51
LOCATION L0005803	VOLUME	600544.151	4135913.703	27.31
LOCATION L0005804	VOLUME	600535.370	4135906.277	27.26
LOCATION L0005805	VOLUME	600526.589	4135898.851	27.29
LOCATION L0005806	VOLUME	600517.808	4135891.425	27.38
LOCATION L0005807	VOLUME	600509.027	4135884.000	27.44
LOCATION L0005808	VOLUME	600500.246	4135876.574	27.49
LOCATION L0005809	VOLUME	600491.465	4135869.148	27.52
LOCATION L0005810	VOLUME	600482.684	4135861.722	27.52
LOCATION L0005811	VOLUME	600473.903	4135854.296	27.54
LOCATION L0005812	VOLUME	600465.122	4135846.870	27.58
LOCATION L0005813	VOLUME	600456.341	4135839.444	27.65
LOCATION L0005814	VOLUME	600447.560	4135832.018	27.75
LOCATION L0005815	VOLUME	600438.779	4135824.592	27.65
LOCATION L0005816	VOLUME	600429.998	4135817.166	27.45
LOCATION L0005817	VOLUME	600421.512	4135814.459	27.38
LOCATION L0005818	VOLUME	600413.726	4135822.922	27.38
LOCATION L0005819	VOLUME	600405.940	4135831.385	27.26
LOCATION L0005820	VOLUME	600410.981	4135838.706	27.34
LOCATION L0005821	VOLUME	600420.140	4135845.661	27.47
LOCATION L0005822	VOLUME	600429.298	4135852.616	27.49
LOCATION L0005823	VOLUME	600438.457	4135859.571	27.52
LOCATION L0005824	VOLUME	600447.615	4135866.526	27.58

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LOCATION	VOLUME			
L0005825	600456.773	4135873.481	27.58	
L0005826	600465.932	4135880.437	27.60	
L0005827	600475.090	4135887.392	27.60	
L0005828	600484.249	4135894.347	27.59	
L0005829	600493.407	4135901.302	27.58	
L0005830	600502.566	4135908.257	27.50	
L0005831	600511.724	4135915.212	27.41	
L0005832	600520.882	4135922.167	27.34	
L0005833	600530.041	4135929.122	27.51	
L0005834	600539.199	4135936.077	27.75	
L0005835	600536.479	4135945.656	27.98	
L0005836	600531.103	4135955.822	28.10	
L0005837	600523.414	4135955.274	27.97	
L0005838	600514.324	4135948.230	27.75	
L0005839	600505.233	4135941.187	27.66	
L0005840	600496.143	4135934.143	27.63	
L0005841	600487.052	4135927.100	27.59	
L0005842	600477.962	4135920.056	27.50	
L0005843	600468.871	4135913.012	27.49	
L0005844	600459.781	4135905.969	27.57	
L0005845	600450.690	4135898.925	27.60	
L0005846	600441.600	4135891.881	27.58	
L0005847	600432.509	4135884.838	27.55	
L0005848	600423.419	4135877.794	27.48	
L0005849	600414.328	4135870.750	27.39	
L0005850	600405.238	4135863.707	27.23	
L0005851	600396.147	4135856.663	27.04	
L0005852	600387.057	4135849.620	27.04	

\*\* End of LINE VOLUME Source ID = SLINE5

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM	VOLUME			
L0005517	0.000000627	3.11	5.35	2.89
L0005518	0.000000627	3.11	5.35	2.89
L0005519	0.000000627	3.11	5.35	2.89
L0005520	0.000000627	3.11	5.35	2.89
L0005521	0.000000627	3.11	5.35	2.89
L0005522	0.000000627	3.11	5.35	2.89
L0005523	0.000000627	3.11	5.35	2.89
L0005524	0.000000627	3.11	5.35	2.89
L0005525	0.000000627	3.11	5.35	2.89
L0005526	0.000000627	3.11	5.35	2.89
L0005527	0.000000627	3.11	5.35	2.89
L0005528	0.000000627	3.11	5.35	2.89
L0005529	0.000000627	3.11	5.35	2.89
L0005530	0.000000627	3.11	5.35	2.89
L0005531	0.000000627	3.11	5.35	2.89
L0005532	0.000000627	3.11	5.35	2.89
L0005533	0.000000627	3.11	5.35	2.89



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SRCPARAM L0005582	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005583	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005584	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005585	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005586	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005587	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005588	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005589	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005590	0.0000000627	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM L0005591	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005592	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005593	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005594	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005595	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005596	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005597	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005598	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005599	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005600	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005601	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005602	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005603	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005604	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005605	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005606	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005607	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005608	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005609	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005610	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005611	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005612	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005613	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005614	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005615	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005616	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005617	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005618	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005619	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005620	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005621	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005622	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005623	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005624	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005625	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005626	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005627	0.00000006282	3.11	5.35	2.89

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SRCPARAM	L0005628	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005629	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005630	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005631	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005632	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005633	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005634	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005635	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005636	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005637	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005638	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005639	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005640	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005641	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005642	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005643	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005644	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005645	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005646	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005647	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005648	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005649	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005650	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005651	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005652	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005653	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005654	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005655	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005656	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005657	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005658	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005659	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005660	0.00000006282	3.11	5.35	2.89
SRCPARAM	L0005661	0.00000006282	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM	L0005662	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005663	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005664	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005665	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005666	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005667	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005668	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005669	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005670	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005671	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005672	0.00000006222	3.11	5.35	2.89
SRCPARAM	L0005673	0.00000006222	3.11	5.35	2.89

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SRCPARAM L0005674	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005675	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005676	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005677	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005678	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005679	0.00000006222	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM L0005680	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005681	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005682	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005683	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005684	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005685	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005686	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005687	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005688	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005689	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005690	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005691	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005692	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005693	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005694	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005695	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005696	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005697	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005698	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005699	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005700	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005701	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005702	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005703	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005704	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005705	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005706	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005707	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005708	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005709	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005710	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005711	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005712	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005713	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005714	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005715	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005716	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005717	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005718	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005719	0.00000006294	3.11	5.35	2.89

650 N King\_Const.ADO

SRCPARAM L0005720	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005721	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005722	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005723	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005724	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005725	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005726	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005727	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005728	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005729	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005730	0.00000006294	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM L0005731	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005732	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005733	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005734	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005735	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005736	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005737	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005738	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005739	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005740	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005741	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005742	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005743	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005744	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005745	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005746	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005747	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005748	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005749	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005750	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005751	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005752	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005753	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005754	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005755	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005756	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005757	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005758	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005759	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005760	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005761	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005762	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005763	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005764	0.0000147071	3.11	5.35	2.89
SRCPARAM L0005765	0.0000147071	3.11	5.35	2.89

## 650 N King\_Const.ADO

SRCPARAM	L0005766	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005767	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005768	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005769	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005770	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005771	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005772	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005773	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005774	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005775	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005776	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005777	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005778	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005779	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005780	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005781	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005782	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005783	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005784	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005785	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005786	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005787	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005788	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005789	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005790	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005791	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005792	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005793	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005794	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005795	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005796	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005797	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005798	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005799	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005800	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005801	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005802	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005803	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005804	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005805	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005806	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005807	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005808	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005809	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005810	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005811	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005812	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005813	0.0000147071	3.11	5.35	2.89



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SRCPARAM	L0005814	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005815	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005816	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005817	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005818	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005819	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005820	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005821	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005822	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005823	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005824	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005825	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005826	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005827	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005828	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005829	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005830	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005831	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005832	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005833	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005834	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005835	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005836	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005837	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005838	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005839	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005840	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005841	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005842	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005843	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005844	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005845	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005846	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005847	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005848	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005849	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005850	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005851	0.0000147071	3.11	5.35	2.89
SRCPARAM	L0005852	0.0000147071	3.11	5.35	2.89

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URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

\*\*\*\*\*

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\*\*

RE STARTING  
INCLUDED "650 N King\_Const.rou"  
RE FINISHED

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\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING  
SURFFILE 724945.SFC  
PROFFILE 724945.PFL  
SURFDATA 23293 2009  
UAIRDATA 23230 2009 OAKLAND/WSO\_AP  
PROFBASE 15.5 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST "650 N KING\_CONST.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "650 N KING\_CONST.AD\PE00GALL.PLT" 32  
SUMMFILE "650 N King\_Const.sum"

OU FINISHED

\*\*\*\*\*

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

\*\*\*\*\*

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 09:41:17

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY

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650 N King\_Const.ADO

\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 336 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 1928000.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_2.5

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

\*\*This Run Includes: 336 Source(s); 1 Source Group(s); and 465  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 336 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 14134

650 N King\_Const.ADO

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE

Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; 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 = 3.7 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 650 N King\_Const.err

\*\*File for Summary of Results: 650 N King\_Const.sum

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

650 N King\_Const.ADO

ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)  
 BY

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L0005517	0	0.62700E-07	600363.0	4135852.7	27.1	3.11	5.35
2.89 YES							
L0005518	0	0.62700E-07	600355.7	4135861.7	27.2	3.11	5.35
2.89 YES							
L0005519	0	0.62700E-07	600348.5	4135870.6	27.2	3.11	5.35
2.89 YES							
L0005520	0	0.62700E-07	600341.2	4135879.5	27.2	3.11	5.35
2.89 YES							
L0005521	0	0.62700E-07	600334.0	4135888.5	27.2	3.11	5.35
2.89 YES							
L0005522	0	0.62700E-07	600326.7	4135897.4	27.3	3.11	5.35
2.89 YES							
L0005523	0	0.62700E-07	600319.5	4135906.3	27.3	3.11	5.35
2.89 YES							
L0005524	0	0.62700E-07	600312.3	4135915.3	27.3	3.11	5.35
2.89 YES							
L0005525	0	0.62700E-07	600305.0	4135924.2	27.2	3.11	5.35
2.89 YES							
L0005526	0	0.62700E-07	600297.8	4135933.1	27.2	3.11	5.35
2.89 YES							
L0005527	0	0.62700E-07	600290.5	4135942.1	27.2	3.11	5.35
2.89 YES							
L0005528	0	0.62700E-07	600283.3	4135951.0	27.2	3.11	5.35
2.89 YES							
L0005529	0	0.62700E-07	600276.0	4135959.9	27.2	3.11	5.35
2.89 YES							
L0005530	0	0.62700E-07	600268.8	4135968.9	27.2	3.11	5.35
2.89 YES							
L0005531	0	0.62700E-07	600261.6	4135977.8	27.2	3.11	5.35
2.89 YES							
L0005532	0	0.62700E-07	600254.3	4135986.7	27.3	3.11	5.35
2.89 YES							
L0005533	0	0.62700E-07	600247.1	4135995.7	27.3	3.11	5.35
2.89 YES							
L0005534	0	0.62700E-07	600239.8	4136004.6	27.4	3.11	5.35
2.89 YES							
L0005535	0	0.62700E-07	600232.6	4136013.5	27.5	3.11	5.35
2.89 YES							
L0005536	0	0.62700E-07	600225.4	4136022.5	27.5	3.11	5.35
2.89 YES							
L0005537	0	0.62700E-07	600218.1	4136031.4	27.5	3.11	5.35
2.89 YES							
L0005538	0	0.62700E-07	600210.9	4136040.3	27.5	3.11	5.35

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2.89	YES							
L0005539		0	0.62700E-07	600203.6	4136049.3	27.5	3.11	5.35
2.89	YES							
L0005540		0	0.62700E-07	600196.4	4136058.2	27.5	3.11	5.35
2.89	YES							
L0005541		0	0.62700E-07	600189.1	4136067.1	27.4	3.11	5.35
2.89	YES							
L0005542		0	0.62700E-07	600181.9	4136076.1	27.4	3.11	5.35
2.89	YES							
L0005543		0	0.62700E-07	600174.7	4136085.0	27.4	3.11	5.35
2.89	YES							
L0005544		0	0.62700E-07	600167.4	4136093.9	27.3	3.11	5.35
2.89	YES							
L0005545		0	0.62700E-07	600160.2	4136102.9	27.4	3.11	5.35
2.89	YES							
L0005546		0	0.62700E-07	600152.9	4136111.8	27.4	3.11	5.35
2.89	YES							
L0005547		0	0.62700E-07	600145.7	4136120.7	27.4	3.11	5.35
2.89	YES							
L0005548		0	0.62700E-07	600138.4	4136129.7	27.4	3.11	5.35
2.89	YES							
L0005549		0	0.62700E-07	600131.2	4136138.6	27.4	3.11	5.35
2.89	YES							
L0005550		0	0.62700E-07	600124.0	4136147.5	27.4	3.11	5.35
2.89	YES							
L0005551		0	0.62700E-07	600116.8	4136156.5	27.4	3.11	5.35
2.89	YES							
L0005552		0	0.62700E-07	600111.2	4136166.6	27.5	3.11	5.35
2.89	YES							
L0005553		0	0.62700E-07	600105.6	4136176.6	27.5	3.11	5.35
2.89	YES							
L0005554		0	0.62700E-07	600100.0	4136186.7	27.5	3.11	5.35
2.89	YES							
L0005555		0	0.62700E-07	600094.5	4136196.7	27.5	3.11	5.35
2.89	YES							
L0005556		0	0.62700E-07	600088.9	4136206.8	27.4	3.11	5.35

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:41:17

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 \*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

650 N King\_Const.ADO

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
	ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
L0005557		0	0.62700E-07	600083.3	4136216.8	27.4	3.11	5.35
2.89	YES							
L0005558		0	0.62700E-07	600077.7	4136226.9	27.6	3.11	5.35
2.89	YES							
L0005559		0	0.62700E-07	600072.2	4136237.0	27.6	3.11	5.35
2.89	YES							
L0005560		0	0.62700E-07	600066.6	4136247.0	27.7	3.11	5.35
2.89	YES							
L0005561		0	0.62700E-07	600061.0	4136257.1	27.8	3.11	5.35
2.89	YES							
L0005562		0	0.62700E-07	600055.4	4136267.1	27.7	3.11	5.35
2.89	YES							
L0005563		0	0.62700E-07	600049.9	4136277.2	27.7	3.11	5.35
2.89	YES							
L0005564		0	0.62700E-07	600044.3	4136287.3	27.7	3.11	5.35
2.89	YES							
L0005565		0	0.62700E-07	600038.7	4136297.3	27.8	3.11	5.35
2.89	YES							
L0005566		0	0.62700E-07	600033.1	4136307.4	27.7	3.11	5.35
2.89	YES							
L0005567		0	0.62700E-07	600027.6	4136317.4	27.6	3.11	5.35
2.89	YES							
L0005568		0	0.62700E-07	600022.0	4136327.5	27.6	3.11	5.35
2.89	YES							
L0005569		0	0.62700E-07	600016.4	4136337.5	27.6	3.11	5.35
2.89	YES							
L0005570		0	0.62700E-07	600010.8	4136347.6	27.6	3.11	5.35
2.89	YES							
L0005571		0	0.62700E-07	600005.3	4136357.7	27.7	3.11	5.35
2.89	YES							
L0005572		0	0.62700E-07	599999.7	4136367.7	27.7	3.11	5.35
2.89	YES							
L0005573		0	0.62700E-07	599994.1	4136377.8	27.6	3.11	5.35
2.89	YES							
L0005574		0	0.62700E-07	599988.5	4136387.8	27.7	3.11	5.35
2.89	YES							
L0005575		0	0.62700E-07	599983.0	4136397.9	27.6	3.11	5.35
2.89	YES							
L0005576		0	0.62700E-07	599977.4	4136408.0	27.4	3.11	5.35

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2.89	YES							
L0005577		0	0.62700E-07	599971.8	4136418.0	27.5	3.11	5.35
2.89	YES							
L0005578		0	0.62700E-07	599966.2	4136428.1	27.6	3.11	5.35
2.89	YES							
L0005579		0	0.62700E-07	599960.7	4136438.1	27.6	3.11	5.35
2.89	YES							
L0005580		0	0.62700E-07	599955.1	4136448.2	27.6	3.11	5.35
2.89	YES							
L0005581		0	0.62700E-07	599949.5	4136458.2	27.6	3.11	5.35
2.89	YES							
L0005582		0	0.62700E-07	599943.9	4136468.3	27.7	3.11	5.35
2.89	YES							
L0005583		0	0.62700E-07	599938.4	4136478.4	27.9	3.11	5.35
2.89	YES							
L0005584		0	0.62700E-07	599932.8	4136488.4	27.9	3.11	5.35
2.89	YES							
L0005585		0	0.62700E-07	599927.2	4136498.5	27.7	3.11	5.35
2.89	YES							
L0005586		0	0.62700E-07	599921.6	4136508.5	27.5	3.11	5.35
2.89	YES							
L0005587		0	0.62700E-07	599916.1	4136518.6	27.7	3.11	5.35
2.89	YES							
L0005588		0	0.62700E-07	599910.5	4136528.7	27.9	3.11	5.35
2.89	YES							
L0005589		0	0.62700E-07	599904.9	4136538.7	28.0	3.11	5.35
2.89	YES							
L0005590		0	0.62700E-07	599899.3	4136548.8	28.2	3.11	5.35
2.89	YES							
L0005591		0	0.62820E-07	600375.7	4135838.7	27.0	3.11	5.35
2.89	YES							
L0005592		0	0.62820E-07	600382.9	4135829.7	27.0	3.11	5.35
2.89	YES							
L0005593		0	0.62820E-07	600390.1	4135820.8	26.9	3.11	5.35
2.89	YES							
L0005594		0	0.62820E-07	600397.3	4135811.8	26.9	3.11	5.35
2.89	YES							
L0005595		0	0.62820E-07	600404.5	4135802.8	26.9	3.11	5.35
2.89	YES							
L0005596		0	0.62820E-07	600411.7	4135793.8	26.9	3.11	5.35

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN



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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE			BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY						
(METERS)								
L0005597	0	0.62820E-07	600418.9	4135784.9	26.9	3.11	5.35	
2.89	YES							
L0005598	0	0.62820E-07	600426.0	4135775.9	26.9	3.11	5.35	
2.89	YES							
L0005599	0	0.62820E-07	600433.2	4135766.9	26.9	3.11	5.35	
2.89	YES							
L0005600	0	0.62820E-07	600440.4	4135757.9	26.9	3.11	5.35	
2.89	YES							
L0005601	0	0.62820E-07	600447.6	4135748.9	26.9	3.11	5.35	
2.89	YES							
L0005602	0	0.62820E-07	600454.8	4135740.0	26.8	3.11	5.35	
2.89	YES							
L0005603	0	0.62820E-07	600462.0	4135731.0	26.8	3.11	5.35	
2.89	YES							
L0005604	0	0.62820E-07	600469.2	4135722.0	26.8	3.11	5.35	
2.89	YES							
L0005605	0	0.62820E-07	600476.3	4135713.0	26.8	3.11	5.35	
2.89	YES							
L0005606	0	0.62820E-07	600483.5	4135704.0	26.8	3.11	5.35	
2.89	YES							
L0005607	0	0.62820E-07	600490.7	4135695.1	26.8	3.11	5.35	
2.89	YES							
L0005608	0	0.62820E-07	600497.9	4135686.1	26.9	3.11	5.35	
2.89	YES							
L0005609	0	0.62820E-07	600505.1	4135677.1	26.8	3.11	5.35	
2.89	YES							
L0005610	0	0.62820E-07	600512.3	4135668.1	26.8	3.11	5.35	
2.89	YES							
L0005611	0	0.62820E-07	600519.5	4135659.2	26.9	3.11	5.35	
2.89	YES							
L0005612	0	0.62820E-07	600526.6	4135650.2	26.9	3.11	5.35	
2.89	YES							
L0005613	0	0.62820E-07	600533.8	4135641.2	26.9	3.11	5.35	
2.89	YES							
L0005614	0	0.62820E-07	600541.0	4135632.2	26.8	3.11	5.35	

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2.89	YES							
L0005615		0	0.62820E-07	600548.2	4135623.2	26.8	3.11	5.35
2.89	YES							
L0005616		0	0.62820E-07	600555.4	4135614.3	26.8	3.11	5.35
2.89	YES							
L0005617		0	0.62820E-07	600562.6	4135605.3	26.8	3.11	5.35
2.89	YES							
L0005618		0	0.62820E-07	600569.8	4135596.3	26.8	3.11	5.35
2.89	YES							
L0005619		0	0.62820E-07	600576.9	4135587.3	26.9	3.11	5.35
2.89	YES							
L0005620		0	0.62820E-07	600584.1	4135578.3	26.9	3.11	5.35
2.89	YES							
L0005621		0	0.62820E-07	600591.3	4135569.4	27.0	3.11	5.35
2.89	YES							
L0005622		0	0.62820E-07	600598.5	4135560.4	27.1	3.11	5.35
2.89	YES							
L0005623		0	0.62820E-07	600605.7	4135551.4	27.1	3.11	5.35
2.89	YES							
L0005624		0	0.62820E-07	600612.9	4135542.4	27.1	3.11	5.35
2.89	YES							
L0005625		0	0.62820E-07	600620.1	4135533.5	27.1	3.11	5.35
2.89	YES							
L0005626		0	0.62820E-07	600627.2	4135524.5	27.1	3.11	5.35
2.89	YES							
L0005627		0	0.62820E-07	600634.4	4135515.5	27.0	3.11	5.35
2.89	YES							
L0005628		0	0.62820E-07	600641.6	4135506.5	27.0	3.11	5.35
2.89	YES							
L0005629		0	0.62820E-07	600648.8	4135497.5	27.1	3.11	5.35
2.89	YES							
L0005630		0	0.62820E-07	600656.0	4135488.6	27.1	3.11	5.35
2.89	YES							
L0005631		0	0.62820E-07	600663.2	4135479.6	27.1	3.11	5.35
2.89	YES							
L0005632		0	0.62820E-07	600670.4	4135470.6	27.2	3.11	5.35
2.89	YES							
L0005633		0	0.62820E-07	600677.5	4135461.6	27.1	3.11	5.35
2.89	YES							
L0005634		0	0.62820E-07	600684.7	4135452.6	26.6	3.11	5.35
2.89	YES							
L0005635		0	0.62820E-07	600691.9	4135443.7	26.9	3.11	5.35
2.89	YES							
L0005636		0	0.62820E-07	600699.1	4135434.7	27.3	3.11	5.35

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0005637		0	0.62820E-07	600706.3	4135425.7	27.2	3.11	5.35
2.89	YES							
L0005638		0	0.62820E-07	600713.5	4135416.7	27.2	3.11	5.35
2.89	YES							
L0005639		0	0.62820E-07	600720.7	4135407.8	27.3	3.11	5.35
2.89	YES							
L0005640		0	0.62820E-07	600727.8	4135398.8	27.3	3.11	5.35
2.89	YES							
L0005641		0	0.62820E-07	600735.0	4135389.8	27.2	3.11	5.35
2.89	YES							
L0005642		0	0.62820E-07	600742.2	4135380.8	27.2	3.11	5.35
2.89	YES							
L0005643		0	0.62820E-07	600749.4	4135371.8	27.2	3.11	5.35
2.89	YES							
L0005644		0	0.62820E-07	600756.6	4135362.9	26.8	3.11	5.35
2.89	YES							
L0005645		0	0.62820E-07	600763.8	4135353.9	26.9	3.11	5.35
2.89	YES							
L0005646		0	0.62820E-07	600771.0	4135344.9	27.3	3.11	5.35
2.89	YES							
L0005647		0	0.62820E-07	600778.1	4135335.9	27.2	3.11	5.35
2.89	YES							
L0005648		0	0.62820E-07	600785.3	4135326.9	27.0	3.11	5.35
2.89	YES							
L0005649		0	0.62820E-07	600792.5	4135318.0	27.1	3.11	5.35
2.89	YES							
L0005650		0	0.62820E-07	600799.7	4135309.0	27.2	3.11	5.35
2.89	YES							
L0005651		0	0.62820E-07	600806.9	4135300.0	26.9	3.11	5.35
2.89	YES							
L0005652		0	0.62820E-07	600814.1	4135291.0	27.0	3.11	5.35

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2.89	YES							
L0005653		0	0.62820E-07	600821.3	4135282.1	27.4	3.11	5.35
2.89	YES							
L0005654		0	0.62820E-07	600828.4	4135273.1	27.0	3.11	5.35
2.89	YES							
L0005655		0	0.62820E-07	600835.6	4135264.1	26.8	3.11	5.35
2.89	YES							
L0005656		0	0.62820E-07	600842.8	4135255.1	27.2	3.11	5.35
2.89	YES							
L0005657		0	0.62820E-07	600850.0	4135246.1	27.4	3.11	5.35
2.89	YES							
L0005658		0	0.62820E-07	600857.2	4135237.2	26.7	3.11	5.35
2.89	YES							
L0005659		0	0.62820E-07	600864.4	4135228.2	26.8	3.11	5.35
2.89	YES							
L0005660		0	0.62820E-07	600871.6	4135219.2	27.5	3.11	5.35
2.89	YES							
L0005661		0	0.62820E-07	600878.7	4135210.2	27.6	3.11	5.35
2.89	YES							
L0005662		0	0.62220E-07	600652.7	4135829.9	27.7	3.11	5.35
2.89	YES							
L0005663		0	0.62220E-07	600644.0	4135822.3	27.6	3.11	5.35
2.89	YES							
L0005664		0	0.62220E-07	600635.4	4135814.8	27.5	3.11	5.35
2.89	YES							
L0005665		0	0.62220E-07	600626.7	4135807.2	27.4	3.11	5.35
2.89	YES							
L0005666		0	0.62220E-07	600618.1	4135799.6	27.4	3.11	5.35
2.89	YES							
L0005667		0	0.62220E-07	600609.4	4135792.0	27.3	3.11	5.35
2.89	YES							
L0005668		0	0.62220E-07	600600.8	4135784.4	27.2	3.11	5.35
2.89	YES							
L0005669		0	0.62220E-07	600592.1	4135776.8	27.0	3.11	5.35
2.89	YES							
L0005670		0	0.62220E-07	600583.5	4135769.2	26.9	3.11	5.35
2.89	YES							
L0005671		0	0.62220E-07	600574.9	4135761.7	26.9	3.11	5.35
2.89	YES							
L0005672		0	0.62220E-07	600566.2	4135754.1	26.8	3.11	5.35
2.89	YES							
L0005673		0	0.62220E-07	600557.6	4135746.5	26.8	3.11	5.35
2.89	YES							
L0005674		0	0.62220E-07	600548.9	4135738.9	26.8	3.11	5.35
2.89	YES							
L0005675		0	0.62220E-07	600540.3	4135731.3	26.9	3.11	5.35
2.89	YES							
L0005676		0	0.62220E-07	600531.6	4135723.7	26.9	3.11	5.35

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2.89 YES

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0005677		0	0.62220E-07	600523.0	4135716.2	26.9	3.11	5.35
2.89	YES							
L0005678		0	0.62220E-07	600514.3	4135708.6	26.9	3.11	5.35
2.89	YES							
L0005679		0	0.62220E-07	600505.7	4135701.0	26.9	3.11	5.35
2.89	YES							
L0005680		0	0.62940E-07	600884.2	4135196.5	27.6	3.11	5.35
2.89	YES							
L0005681		0	0.62940E-07	600875.5	4135189.0	27.6	3.11	5.35
2.89	YES							
L0005682		0	0.62940E-07	600866.7	4135181.5	27.5	3.11	5.35
2.89	YES							
L0005683		0	0.62940E-07	600858.0	4135174.1	27.4	3.11	5.35
2.89	YES							
L0005684		0	0.62940E-07	600849.2	4135166.6	27.4	3.11	5.35
2.89	YES							
L0005685		0	0.62940E-07	600840.5	4135159.1	27.3	3.11	5.35
2.89	YES							
L0005686		0	0.62940E-07	600831.7	4135151.7	27.2	3.11	5.35
2.89	YES							
L0005687		0	0.62940E-07	600823.0	4135144.2	27.1	3.11	5.35
2.89	YES							
L0005688		0	0.62940E-07	600814.2	4135136.8	27.1	3.11	5.35
2.89	YES							
L0005689		0	0.62940E-07	600805.5	4135129.3	27.2	3.11	5.35
2.89	YES							
L0005690		0	0.62940E-07	600796.7	4135121.8	27.2	3.11	5.35

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2.89	YES							
L0005691		0	0.62940E-07	600788.0	4135114.4	27.1	3.11	5.35
2.89	YES							
L0005692		0	0.62940E-07	600779.2	4135106.9	27.1	3.11	5.35
2.89	YES							
L0005693		0	0.62940E-07	600770.5	4135099.4	27.1	3.11	5.35
2.89	YES							
L0005694		0	0.62940E-07	600761.7	4135092.0	27.1	3.11	5.35
2.89	YES							
L0005695		0	0.62940E-07	600753.0	4135084.5	26.9	3.11	5.35
2.89	YES							
L0005696		0	0.62940E-07	600744.2	4135077.0	26.9	3.11	5.35
2.89	YES							
L0005697		0	0.62940E-07	600735.5	4135069.6	26.9	3.11	5.35
2.89	YES							
L0005698		0	0.62940E-07	600726.7	4135062.1	26.9	3.11	5.35
2.89	YES							
L0005699		0	0.62940E-07	600718.0	4135054.7	27.0	3.11	5.35
2.89	YES							
L0005700		0	0.62940E-07	600709.2	4135047.2	27.0	3.11	5.35
2.89	YES							
L0005701		0	0.62940E-07	600700.5	4135039.7	27.0	3.11	5.35
2.89	YES							
L0005702		0	0.62940E-07	600691.7	4135032.3	27.0	3.11	5.35
2.89	YES							
L0005703		0	0.62940E-07	600683.0	4135024.8	26.9	3.11	5.35
2.89	YES							
L0005704		0	0.62940E-07	600674.2	4135017.3	26.8	3.11	5.35
2.89	YES							
L0005705		0	0.62940E-07	600665.5	4135009.9	26.9	3.11	5.35
2.89	YES							
L0005706		0	0.62940E-07	600656.7	4135002.4	26.9	3.11	5.35
2.89	YES							
L0005707		0	0.62940E-07	600648.0	4134995.0	26.9	3.11	5.35
2.89	YES							
L0005708		0	0.62940E-07	600639.2	4134987.5	26.8	3.11	5.35
2.89	YES							
L0005709		0	0.62940E-07	600630.5	4134980.0	26.8	3.11	5.35
2.89	YES							
L0005710		0	0.62940E-07	600621.7	4134972.6	27.0	3.11	5.35
2.89	YES							
L0005711		0	0.62940E-07	600613.0	4134965.1	27.1	3.11	5.35
2.89	YES							
L0005712		0	0.62940E-07	600604.3	4134957.6	27.0	3.11	5.35
2.89	YES							
L0005713		0	0.62940E-07	600595.5	4134950.1	27.0	3.11	5.35
2.89	YES							
L0005714		0	0.62940E-07	600586.8	4134942.7	26.9	3.11	5.35

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2.89 YES  
L0005715 0 0.62940E-07 600578.1 4134935.2 26.9 3.11 5.35

2.89 YES  
L0005716 0 0.62940E-07 600569.3 4134927.7 27.0 3.11 5.35

2.89 YES

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

L0005717	0	0.62940E-07	600560.6	4134920.2	27.3	3.11	5.35
2.89 YES							
L0005718	0	0.62940E-07	600551.8	4134912.8	27.8	3.11	5.35
2.89 YES							
L0005719	0	0.62940E-07	600543.1	4134905.3	28.3	3.11	5.35
2.89 YES							
L0005720	0	0.62940E-07	600534.4	4134897.8	28.6	3.11	5.35
2.89 YES							
L0005721	0	0.62940E-07	600525.6	4134890.3	28.9	3.11	5.35
2.89 YES							
L0005722	0	0.62940E-07	600516.9	4134882.9	29.2	3.11	5.35
2.89 YES							
L0005723	0	0.62940E-07	600508.2	4134875.4	30.2	3.11	5.35
2.89 YES							
L0005724	0	0.62940E-07	600500.2	4134867.1	30.5	3.11	5.35
2.89 YES							
L0005725	0	0.62940E-07	600492.9	4134858.2	31.0	3.11	5.35
2.89 YES							
L0005726	0	0.62940E-07	600485.7	4134849.3	31.8	3.11	5.35
2.89 YES							
L0005727	0	0.62940E-07	600478.4	4134840.4	32.6	3.11	5.35
2.89 YES							
L0005728	0	0.62940E-07	600471.1	4134831.5	32.9	3.11	5.35

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2.89	YES							
L0005729		0	0.62940E-07	600463.8	4134822.6	33.3	3.11	5.35
2.89	YES							
L0005730		0	0.62940E-07	600456.6	4134813.7	33.8	3.11	5.35
2.89	YES							
L0005731		0	0.14707E-04	600617.7	4135844.9	28.0	3.11	5.35
2.89	YES							
L0005732		0	0.14707E-04	600609.4	4135837.0	27.6	3.11	5.35
2.89	YES							
L0005733		0	0.14707E-04	600601.1	4135829.0	27.3	3.11	5.35
2.89	YES							
L0005734		0	0.14707E-04	600592.9	4135821.0	27.2	3.11	5.35
2.89	YES							
L0005735		0	0.14707E-04	600584.6	4135813.0	27.2	3.11	5.35
2.89	YES							
L0005736		0	0.14707E-04	600576.3	4135805.0	27.1	3.11	5.35
2.89	YES							
L0005737		0	0.14707E-04	600568.1	4135797.0	26.9	3.11	5.35
2.89	YES							
L0005738		0	0.14707E-04	600559.8	4135789.0	26.9	3.11	5.35
2.89	YES							
L0005739		0	0.14707E-04	600551.5	4135781.0	26.8	3.11	5.35
2.89	YES							
L0005740		0	0.14707E-04	600543.2	4135773.0	26.7	3.11	5.35
2.89	YES							
L0005741		0	0.14707E-04	600535.0	4135765.0	26.7	3.11	5.35
2.89	YES							
L0005742		0	0.14707E-04	600526.7	4135757.0	26.8	3.11	5.35
2.89	YES							
L0005743		0	0.14707E-04	600518.4	4135749.0	26.8	3.11	5.35
2.89	YES							
L0005744		0	0.14707E-04	600510.2	4135741.1	27.0	3.11	5.35
2.89	YES							
L0005745		0	0.14707E-04	600501.9	4135733.1	27.1	3.11	5.35
2.89	YES							
L0005746		0	0.14707E-04	600493.8	4135729.5	27.1	3.11	5.35
2.89	YES							
L0005747		0	0.14707E-04	600486.0	4135737.9	27.1	3.11	5.35
2.89	YES							
L0005748		0	0.14707E-04	600478.2	4135746.4	27.1	3.11	5.35
2.89	YES							
L0005749		0	0.14707E-04	600480.8	4135754.3	27.2	3.11	5.35
2.89	YES							
L0005750		0	0.14707E-04	600489.4	4135762.0	27.3	3.11	5.35
2.89	YES							
L0005751		0	0.14707E-04	600498.0	4135769.6	27.3	3.11	5.35
2.89	YES							
L0005752		0	0.14707E-04	600506.6	4135777.3	27.1	3.11	5.35



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2.89	YES							
L0005753		0	0.14707E-04	600515.2	4135784.9	27.0	3.11	5.35
2.89	YES							
L0005754		0	0.14707E-04	600523.8	4135792.6	26.9	3.11	5.35
2.89	YES							
L0005755		0	0.14707E-04	600532.4	4135800.2	27.0	3.11	5.35
2.89	YES							
L0005756		0	0.14707E-04	600540.9	4135807.9	27.0	3.11	5.35

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0005757		0	0.14707E-04	600549.5	4135815.5	27.1	3.11	5.35
2.89	YES							
L0005758		0	0.14707E-04	600558.1	4135823.1	27.2	3.11	5.35
2.89	YES							
L0005759		0	0.14707E-04	600566.7	4135830.8	27.2	3.11	5.35
2.89	YES							
L0005760		0	0.14707E-04	600575.3	4135838.4	27.3	3.11	5.35
2.89	YES							
L0005761		0	0.14707E-04	600583.9	4135846.1	27.4	3.11	5.35
2.89	YES							
L0005762		0	0.14707E-04	600592.5	4135853.7	27.7	3.11	5.35
2.89	YES							
L0005763		0	0.14707E-04	600601.1	4135861.4	28.2	3.11	5.35
2.89	YES							
L0005764		0	0.14707E-04	600603.1	4135869.3	28.2	3.11	5.35
2.89	YES							
L0005765		0	0.14707E-04	600595.3	4135877.7	28.1	3.11	5.35
2.89	YES							
L0005766		0	0.14707E-04	600587.4	4135886.2	28.0	3.11	5.35

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2.89	YES							
L0005767		0	0.14707E-04	600579.3	4135884.3	27.7	3.11	5.35
2.89	YES							
L0005768		0	0.14707E-04	600571.1	4135876.2	27.4	3.11	5.35
2.89	YES							
L0005769		0	0.14707E-04	600562.8	4135868.2	27.2	3.11	5.35
2.89	YES							
L0005770		0	0.14707E-04	600554.6	4135860.2	27.2	3.11	5.35
2.89	YES							
L0005771		0	0.14707E-04	600546.4	4135852.2	27.2	3.11	5.35
2.89	YES							
L0005772		0	0.14707E-04	600538.1	4135844.2	27.2	3.11	5.35
2.89	YES							
L0005773		0	0.14707E-04	600529.9	4135836.2	27.3	3.11	5.35
2.89	YES							
L0005774		0	0.14707E-04	600521.6	4135828.1	27.2	3.11	5.35
2.89	YES							
L0005775		0	0.14707E-04	600513.4	4135820.1	27.2	3.11	5.35
2.89	YES							
L0005776		0	0.14707E-04	600505.1	4135812.1	27.2	3.11	5.35
2.89	YES							
L0005777		0	0.14707E-04	600496.9	4135804.1	27.3	3.11	5.35
2.89	YES							
L0005778		0	0.14707E-04	600488.6	4135796.1	27.3	3.11	5.35
2.89	YES							
L0005779		0	0.14707E-04	600480.4	4135788.0	27.3	3.11	5.35
2.89	YES							
L0005780		0	0.14707E-04	600472.2	4135780.0	27.2	3.11	5.35
2.89	YES							
L0005781		0	0.14707E-04	600463.9	4135772.0	27.2	3.11	5.35
2.89	YES							
L0005782		0	0.14707E-04	600456.3	4135771.5	27.1	3.11	5.35
2.89	YES							
L0005783		0	0.14707E-04	600449.5	4135780.8	27.1	3.11	5.35
2.89	YES							
L0005784		0	0.14707E-04	600442.8	4135790.1	27.0	3.11	5.35
2.89	YES							
L0005785		0	0.14707E-04	600448.8	4135797.9	27.0	3.11	5.35
2.89	YES							
L0005786		0	0.14707E-04	600457.5	4135805.4	27.3	3.11	5.35
2.89	YES							
L0005787		0	0.14707E-04	600466.2	4135812.9	27.4	3.11	5.35
2.89	YES							
L0005788		0	0.14707E-04	600475.0	4135820.4	27.4	3.11	5.35
2.89	YES							
L0005789		0	0.14707E-04	600483.7	4135827.9	27.5	3.11	5.35
2.89	YES							
L0005790		0	0.14707E-04	600492.4	4135835.4	27.4	3.11	5.35

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2.89	YES	L0005791	0	0.14707E-04	600501.1	4135842.9	27.4	3.11	5.35
2.89	YES	L0005792	0	0.14707E-04	600509.9	4135850.4	27.4	3.11	5.35
2.89	YES	L0005793	0	0.14707E-04	600518.6	4135857.8	27.4	3.11	5.35
2.89	YES	L0005794	0	0.14707E-04	600527.3	4135865.3	27.3	3.11	5.35
2.89	YES	L0005795	0	0.14707E-04	600536.0	4135872.8	27.2	3.11	5.35
2.89	YES	L0005796	0	0.14707E-04	600544.8	4135880.3	27.2	3.11	5.35

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY	
SZ	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		CATS.	BY						
L0005797		0	0.14707E-04	600553.5	4135887.8	27.2	3.11	5.35	
2.89	YES	L0005798	0	0.14707E-04	600562.2	4135895.3	27.3	3.11	5.35
2.89	YES	L0005799	0	0.14707E-04	600570.9	4135902.8	27.6	3.11	5.35
2.89	YES	L0005800	0	0.14707E-04	600568.0	4135911.4	27.6	3.11	5.35
2.89	YES	L0005801	0	0.14707E-04	600560.9	4135920.4	27.6	3.11	5.35
2.89	YES	L0005802	0	0.14707E-04	600552.9	4135921.1	27.5	3.11	5.35
2.89	YES	L0005803	0	0.14707E-04	600544.2	4135913.7	27.3	3.11	5.35
2.89	YES	L0005804	0	0.14707E-04	600535.4	4135906.3	27.3	3.11	5.35

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2.89	YES							
L0005805		0	0.14707E-04	600526.6	4135898.9	27.3	3.11	5.35
2.89	YES							
L0005806		0	0.14707E-04	600517.8	4135891.4	27.4	3.11	5.35
2.89	YES							
L0005807		0	0.14707E-04	600509.0	4135884.0	27.4	3.11	5.35
2.89	YES							
L0005808		0	0.14707E-04	600500.2	4135876.6	27.5	3.11	5.35
2.89	YES							
L0005809		0	0.14707E-04	600491.5	4135869.1	27.5	3.11	5.35
2.89	YES							
L0005810		0	0.14707E-04	600482.7	4135861.7	27.5	3.11	5.35
2.89	YES							
L0005811		0	0.14707E-04	600473.9	4135854.3	27.5	3.11	5.35
2.89	YES							
L0005812		0	0.14707E-04	600465.1	4135846.9	27.6	3.11	5.35
2.89	YES							
L0005813		0	0.14707E-04	600456.3	4135839.4	27.7	3.11	5.35
2.89	YES							
L0005814		0	0.14707E-04	600447.6	4135832.0	27.8	3.11	5.35
2.89	YES							
L0005815		0	0.14707E-04	600438.8	4135824.6	27.7	3.11	5.35
2.89	YES							
L0005816		0	0.14707E-04	600430.0	4135817.2	27.4	3.11	5.35
2.89	YES							
L0005817		0	0.14707E-04	600421.5	4135814.5	27.4	3.11	5.35
2.89	YES							
L0005818		0	0.14707E-04	600413.7	4135822.9	27.4	3.11	5.35
2.89	YES							
L0005819		0	0.14707E-04	600405.9	4135831.4	27.3	3.11	5.35
2.89	YES							
L0005820		0	0.14707E-04	600411.0	4135838.7	27.3	3.11	5.35
2.89	YES							
L0005821		0	0.14707E-04	600420.1	4135845.7	27.5	3.11	5.35
2.89	YES							
L0005822		0	0.14707E-04	600429.3	4135852.6	27.5	3.11	5.35
2.89	YES							
L0005823		0	0.14707E-04	600438.5	4135859.6	27.5	3.11	5.35
2.89	YES							
L0005824		0	0.14707E-04	600447.6	4135866.5	27.6	3.11	5.35
2.89	YES							
L0005825		0	0.14707E-04	600456.8	4135873.5	27.6	3.11	5.35
2.89	YES							
L0005826		0	0.14707E-04	600465.9	4135880.4	27.6	3.11	5.35
2.89	YES							
L0005827		0	0.14707E-04	600475.1	4135887.4	27.6	3.11	5.35
2.89	YES							
L0005828		0	0.14707E-04	600484.2	4135894.3	27.6	3.11	5.35

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2.89	YES	L0005829	0	0.14707E-04	600493.4	4135901.3	27.6	3.11	5.35
2.89	YES	L0005830	0	0.14707E-04	600502.6	4135908.3	27.5	3.11	5.35
2.89	YES	L0005831	0	0.14707E-04	600511.7	4135915.2	27.4	3.11	5.35
2.89	YES	L0005832	0	0.14707E-04	600520.9	4135922.2	27.3	3.11	5.35
2.89	YES	L0005833	0	0.14707E-04	600530.0	4135929.1	27.5	3.11	5.35
2.89	YES	L0005834	0	0.14707E-04	600539.2	4135936.1	27.8	3.11	5.35
2.89	YES	L0005835	0	0.14707E-04	600536.5	4135945.7	28.0	3.11	5.35
2.89	YES	L0005836	0	0.14707E-04	600531.1	4135955.8	28.1	3.11	5.35

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY	
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	
		CATS.	BY						
L0005837		0	0.14707E-04	600523.4	4135955.3	28.0	3.11	5.35	
2.89	YES	L0005838	0	0.14707E-04	600514.3	4135948.2	27.8	3.11	5.35
2.89	YES	L0005839	0	0.14707E-04	600505.2	4135941.2	27.7	3.11	5.35
2.89	YES	L0005840	0	0.14707E-04	600496.1	4135934.1	27.6	3.11	5.35
2.89	YES	L0005841	0	0.14707E-04	600487.1	4135927.1	27.6	3.11	5.35
2.89	YES	L0005842	0	0.14707E-04	600478.0	4135920.1	27.5	3.11	5.35

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2.89	YES	L0005843	0	0.14707E-04	600468.9	4135913.0	27.5	3.11	5.35
2.89	YES	L0005844	0	0.14707E-04	600459.8	4135906.0	27.6	3.11	5.35
2.89	YES	L0005845	0	0.14707E-04	600450.7	4135898.9	27.6	3.11	5.35
2.89	YES	L0005846	0	0.14707E-04	600441.6	4135891.9	27.6	3.11	5.35
2.89	YES	L0005847	0	0.14707E-04	600432.5	4135884.8	27.6	3.11	5.35
2.89	YES	L0005848	0	0.14707E-04	600423.4	4135877.8	27.5	3.11	5.35
2.89	YES	L0005849	0	0.14707E-04	600414.3	4135870.8	27.4	3.11	5.35
2.89	YES	L0005850	0	0.14707E-04	600405.2	4135863.7	27.2	3.11	5.35
2.89	YES	L0005851	0	0.14707E-04	600396.1	4135856.7	27.0	3.11	5.35
2.89	YES	L0005852	0	0.14707E-04	600387.1	4135849.6	27.0	3.11	5.35

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID	SOURCE IDs
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ALL	L0005517 , L0005518 , L0005519 , L0005520 , L0005521 ,
L0005522	, L0005523 , L0005524 ,
L0005530	L0005525 , L0005526 , L0005527 , L0005528 , L0005529 ,
L0005538	, L0005531 , L0005532 , L0005533 , L0005534 , L0005535 , L0005536 , L0005537 ,
L0005546	, L0005539 , L0005540 , L0005541 , L0005542 , L0005543 , L0005544 , L0005545 ,
	, L0005547 , L0005548 ,

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L0005554	L0005549 , L0005555	, L0005550 , L0005556	, L0005551 ,	, L0005552	, L0005553	,
L0005562	L0005557 , L0005563	, L0005558 , L0005564	, L0005559 ,	, L0005560	, L0005561	,
L0005570	L0005565 , L0005571	, L0005566 , L0005572	, L0005567 ,	, L0005568	, L0005569	,
L0005578	L0005573 , L0005579	, L0005574 , L0005580	, L0005575 ,	, L0005576	, L0005577	,
L0005586	L0005581 , L0005587	, L0005582 , L0005588	, L0005583 ,	, L0005584	, L0005585	,
L0005594	L0005589 , L0005595	, L0005590 , L0005596	, L0005591 ,	, L0005592	, L0005593	,
L0005602	L0005597 , L0005603	, L0005598 , L0005604	, L0005599 ,	, L0005600	, L0005601	,
L0005610	L0005605 , L0005611	, L0005606 , L0005612	, L0005607 ,	, L0005608	, L0005609	,
L0005618	L0005613 , L0005619	, L0005614 , L0005620	, L0005615 ,	, L0005616	, L0005617	,
L0005626	L0005621 , L0005627	, L0005622 , L0005628	, L0005623 ,	, L0005624	, L0005625	,
L0005634	L0005629 , L0005635	, L0005630 , L0005636	, L0005631 ,	, L0005632	, L0005633	,
L0005642	L0005637 , L0005643	, L0005638 , L0005644	, L0005639 ,	, L0005640	, L0005641	,
L0005650	L0005645 , L0005651	, L0005646 , L0005652	, L0005647 ,	, L0005648	, L0005649	,
L0005658	L0005653 , L0005659	, L0005654 , L0005660	, L0005655 ,	, L0005656	, L0005657	,
L0005666	L0005661 , L0005667	, L0005662 , L0005668	, L0005663 ,	, L0005664	, L0005665	,
L0005674	L0005669 , L0005675	, L0005670 , L0005676	, L0005671 ,	, L0005672	, L0005673	,

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID	SOURCE IDs
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L0005682	L0005677 , L0005678 , L0005679 , L0005680 , L0005681 , , L0005683 , L0005684 ,
L0005690	L0005685 , L0005686 , L0005687 , L0005688 , L0005689 , , L0005691 , L0005692 ,
L0005698	L0005693 , L0005694 , L0005695 , L0005696 , L0005697 , , L0005699 , L0005700 ,
L0005706	L0005701 , L0005702 , L0005703 , L0005704 , L0005705 , , L0005707 , L0005708 ,
L0005714	L0005709 , L0005710 , L0005711 , L0005712 , L0005713 , , L0005715 , L0005716 ,
L0005722	L0005717 , L0005718 , L0005719 , L0005720 , L0005721 , , L0005723 , L0005724 ,
L0005730	L0005725 , L0005726 , L0005727 , L0005728 , L0005729 , , L0005731 , L0005732 ,
L0005738	L0005733 , L0005734 , L0005735 , L0005736 , L0005737 , , L0005739 , L0005740 ,
L0005746	L0005741 , L0005742 , L0005743 , L0005744 , L0005745 , , L0005747 , L0005748 ,
L0005754	L0005749 , L0005750 , L0005751 , L0005752 , L0005753 , , L0005755 , L0005756 ,
L0005762	L0005757 , L0005758 , L0005759 , L0005760 , L0005761 , , L0005763 , L0005764 ,



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L0005770 L0005765 , L0005766 , L0005767 , L0005768 , L0005769 ,  
 , L0005771 , L0005772 , ,  
 L0005778 L0005773 , L0005774 , L0005775 , L0005776 , L0005777 ,  
 , L0005779 , L0005780 , ,  
 L0005786 L0005781 , L0005782 , L0005783 , L0005784 , L0005785 ,  
 , L0005787 , L0005788 , ,  
 L0005794 L0005789 , L0005790 , L0005791 , L0005792 , L0005793 ,  
 , L0005795 , L0005796 , ,  
 L0005802 L0005797 , L0005798 , L0005799 , L0005800 , L0005801 ,  
 , L0005803 , L0005804 , ,  
 L0005810 L0005805 , L0005806 , L0005807 , L0005808 , L0005809 ,  
 , L0005811 , L0005812 , ,  
 L0005818 L0005813 , L0005814 , L0005815 , L0005816 , L0005817 ,  
 , L0005819 , L0005820 , ,  
 L0005826 L0005821 , L0005822 , L0005823 , L0005824 , L0005825 ,  
 , L0005827 , L0005828 , ,  
 L0005834 L0005829 , L0005830 , L0005831 , L0005832 , L0005833 ,  
 , L0005835 , L0005836 , ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

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SOURCE IDs

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L0005842 L0005837 , L0005838 , L0005839 , L0005840 , L0005841 ,  
 , L0005843 , L0005844 , ,  
 L0005850 L0005845 , L0005846 , L0005847 , L0005848 , L0005849 ,  
 , L0005851 , L0005852 , ,

\*\*\* AERMOD - VERSION 21112 \*\*\* 650 N King Construction  
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\*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0005521 L0005524	1928000. , L0005522 ,	L0005517 , L0005518 , L0005519 , L0005520 , , L0005523 , ,
L0005530	L0005525 , L0005531	, L0005526 , L0005527 , L0005528 , L0005529 , , L0005532 ,
L0005538	L0005533 , L0005539	, L0005534 , L0005535 , L0005536 , L0005537 , , L0005540 ,
L0005546	L0005541 , L0005547	, L0005542 , L0005543 , L0005544 , L0005545 , , L0005548 ,
L0005554	L0005549 , L0005555	, L0005550 , L0005551 , L0005552 , L0005553 , , L0005556 ,
L0005562	L0005557 , L0005563	, L0005558 , L0005559 , L0005560 , L0005561 , , L0005564 ,
L0005570	L0005565 , L0005571	, L0005566 , L0005567 , L0005568 , L0005569 , , L0005572 ,
L0005578	L0005573 , L0005579	, L0005574 , L0005575 , L0005576 , L0005577 , , L0005580 ,
L0005586	L0005581 , L0005587	, L0005582 , L0005583 , L0005584 , L0005585 , , L0005588 ,
L0005594	L0005589 , L0005595	, L0005590 , L0005591 , L0005592 , L0005593 , , L0005596 ,
	L0005597	, L0005598 , L0005599 , L0005600 , L0005601 ,

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L0005602 , L0005603 , L0005604 ,  
 L0005610 , L0005611 , L0005612 , L0005605 , L0005606 , L0005607 , L0005608 , L0005609 ,  
 L0005618 , L0005619 , L0005620 , L0005613 , L0005614 , L0005615 , L0005616 , L0005617 ,  
 L0005626 , L0005627 , L0005628 , L0005621 , L0005622 , L0005623 , L0005624 , L0005625 ,  
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 L0005642 , L0005643 , L0005644 , L0005637 , L0005638 , L0005639 , L0005640 , L0005641 ,  
 L0005650 , L0005651 , L0005652 , L0005645 , L0005646 , L0005647 , L0005648 , L0005649 ,  
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 L0005674 , L0005675 , L0005676 , L0005669 , L0005670 , L0005671 , L0005672 , L0005673 ,

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0005682	L0005677 , L0005678 , L0005679 , L0005680 , L0005681 , L0005682 , L0005683 , L0005684	
	L0005685 , L0005686 , L0005687 , L0005688 , L0005689	

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L0005690 , L0005691 , L0005692 ,  
 L0005698 , L0005693 , L0005694 , L0005695 , L0005696 , L0005697 ,  
 L0005706 , L0005701 , L0005702 , L0005703 , L0005704 , L0005705 ,  
 L0005714 , L0005709 , L0005710 , L0005711 , L0005712 , L0005713 ,  
 L0005722 , L0005717 , L0005718 , L0005719 , L0005720 , L0005721 ,  
 L0005730 , L0005725 , L0005726 , L0005727 , L0005728 , L0005729 ,  
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 L0005746 , L0005741 , L0005742 , L0005743 , L0005744 , L0005745 ,  
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 L0005770 , L0005765 , L0005766 , L0005767 , L0005768 , L0005769 ,  
 L0005778 , L0005773 , L0005774 , L0005775 , L0005776 , L0005777 ,  
 L0005786 , L0005781 , L0005782 , L0005783 , L0005784 , L0005785 ,  
 L0005794 , L0005789 , L0005790 , L0005791 , L0005792 , L0005793 ,  
 L0005802 , L0005797 , L0005798 , L0005799 , L0005800 , L0005801 ,  
 L0005810 , L0005805 , L0005806 , L0005807 , L0005808 , L0005809 ,  
 L0005813 , L0005814 , L0005815 , L0005816 , L0005817 ,

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L0005818 , L0005819 , L0005820 ,  
 L0005821 , L0005822 , L0005823 , L0005824 , L0005825 ,  
 L0005826 , L0005827 , L0005828 ,  
 L0005829 , L0005830 , L0005831 , L0005832 , L0005833 ,  
 L0005834 , L0005835 , L0005836 ,  
 \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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URBAN ID	URBAN POP	SOURCE IDs
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L0005842	L0005837 , L0005843	L0005838 , L0005844	L0005839 , L0005840	L0005841 , L0005842
L0005850	L0005845 , L0005851	L0005846 , L0005852	L0005847 , L0005848	L0005849 , L0005850
*** AERMOD - VERSION 21112 *** *** 650 N King Construction *** 08/11/21 *** AERMET - VERSION 14134 *** *** *** 09:41:17				

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600316.3, 4135009.3,	27.0,	27.0,	0.0);	( 600366.3,
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650 N King\_Const.ADO

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( 600616.3, 4135059.3, 26.8, 26.8, 0.0); ( 600666.3,  
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( 600366.3, 4135109.3, 27.0, 27.0, 0.0); ( 600416.3,  
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( 600466.3, 4135109.3, 26.4, 26.4, 0.0); ( 600516.3,  
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( 600666.3, 4135159.3, 26.7, 26.7, 0.0); ( 600716.3, 4135159.3, 26.7, 26.7, 0.0);  
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 ( 601066.3, 4135159.3, 28.4, 28.4, 0.0); ( 600366.3, 4135209.3, 24.9, 27.0, 0.0);  
 ( 600416.3, 4135209.3, 26.6, 26.6, 0.0); ( 600466.3, 4135209.3, 26.8, 26.8, 0.0);  
 ( 600516.3, 4135209.3, 26.7, 26.7, 0.0); ( 600566.3, 4135209.3, 26.5, 26.5, 0.0);  
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 ( 600816.3, 4135209.3, 27.8, 27.8, 0.0); ( 600866.3, 4135209.3, 27.0, 27.0, 0.0);  
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 ( 600366.3, 4135259.3, 23.6, 23.6, 0.0); ( 600416.3, 4135259.3, 26.6, 26.6, 0.0);  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600866.3, 4135259.3, 27.5, 27.5, 0.0); ( 600916.3, 4135259.3, 27.5, 27.5, 0.0);

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4135509.3, 28.0, 28.0, 0.0);
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4135559.3, 26.9, 26.9, 0.0);
( 600716.3, 4135559.3, 27.1, 27.1, 0.0); ( 600766.3,
4135559.3, 27.0, 27.0, 0.0);
( 600816.3, 4135559.3, 27.1, 27.1, 0.0); ( 600866.3,
4135559.3, 27.8, 27.8, 0.0);
( 600916.3, 4135559.3, 27.9, 27.9, 0.0); ( 600966.3,
4135559.3, 28.4, 28.4, 0.0);
( 601016.3, 4135559.3, 28.0, 28.0, 0.0); ( 601066.3,
4135559.3, 28.2, 28.2, 0.0);
( 600566.3, 4135609.3, 26.7, 26.7, 0.0); ( 600616.3,
4135609.3, 26.8, 26.8, 0.0);
( 600666.3, 4135609.3, 26.9, 26.9, 0.0); ( 600716.3,
4135609.3, 26.8, 26.8, 0.0);
( 600766.3, 4135609.3, 27.3, 27.3, 0.0); ( 600816.3,
4135609.3, 27.5, 27.5, 0.0);
( 600866.3, 4135609.3, 28.3, 28.3, 0.0); ( 600916.3,
4135609.3, 28.3, 28.3, 0.0);
( 600966.3, 4135609.3, 28.0, 28.0, 0.0); ( 601016.3,
4135609.3, 28.2, 28.2, 0.0);
( 601066.3, 4135609.3, 28.2, 28.2, 0.0); ( 600516.3,
4135659.3, 26.9, 26.9, 0.0);
( 600566.3, 4135659.3, 26.8, 26.8, 0.0); ( 600616.3,
4135659.3, 26.7, 26.7, 0.0);

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^ *** AERMOD - VERSION 21112 *** *** 650 N King Construction
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*** AERMET - VERSION 14134 *** ***
*** 09:41:17

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650 N King\_Const.ADO

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

( 600666.3, 4135659.3,	26.8,	26.8,	0.0);	( 600716.3,
4135659.3, 27.5, 27.5,	0.0);			
( 600766.3, 4135659.3,	27.9,	27.9,	0.0);	( 600816.3,
4135659.3, 27.8, 27.8,	0.0);			
( 600866.3, 4135659.3,	28.4,	28.4,	0.0);	( 600916.3,
4135659.3, 28.1, 28.1,	0.0);			
( 600966.3, 4135659.3,	28.1,	28.1,	0.0);	( 601016.3,
4135659.3, 28.3, 28.3,	0.0);			
( 601066.3, 4135659.3,	28.7,	28.7,	0.0);	( 600566.3,
4135709.3, 27.3, 27.3,	0.0);			
( 600616.3, 4135709.3,	26.9,	26.9,	0.0);	( 600666.3,
4135709.3, 27.0, 27.0,	0.0);			
( 600716.3, 4135709.3,	28.1,	28.1,	0.0);	( 600766.3,
4135709.3, 27.9, 27.9,	0.0);			
( 600816.3, 4135709.3,	28.4,	28.4,	0.0);	( 600866.3,
4135709.3, 28.0, 28.0,	0.0);			
( 600916.3, 4135709.3,	28.4,	28.4,	0.0);	( 600966.3,
4135709.3, 28.2, 28.2,	0.0);			
( 601016.3, 4135709.3,	29.5,	29.5,	0.0);	( 601066.3,
4135709.3, 29.3, 29.3,	0.0);			
( 600616.3, 4135759.3,	27.4,	27.4,	0.0);	( 600666.3,
4135759.3, 28.3, 28.3,	0.0);			
( 600716.3, 4135759.3,	27.9,	27.9,	0.0);	( 600766.3,
4135759.3, 28.2, 28.2,	0.0);			
( 600816.3, 4135759.3,	28.5,	28.5,	0.0);	( 600866.3,
4135759.3, 29.2, 29.2,	0.0);			
( 600916.3, 4135759.3,	27.0,	27.0,	0.0);	( 600966.3,
4135759.3, 29.0, 29.0,	0.0);			
( 601016.3, 4135759.3,	29.3,	29.3,	0.0);	( 601066.3,
4135759.3, 29.2, 29.2,	0.0);			
( 600666.3, 4135809.3,	27.9,	27.9,	0.0);	( 600716.3,
4135809.3, 28.2, 28.2,	0.0);			
( 600766.3, 4135809.3,	28.4,	28.4,	0.0);	( 600816.3,
4135809.3, 28.8, 28.8,	0.0);			
( 600866.3, 4135809.3,	28.8,	28.8,	0.0);	( 600916.3,
4135809.3, 29.1, 29.1,	0.0);			
( 600966.3, 4135809.3,	29.0,	29.0,	0.0);	( 601016.3,
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( 601066.3, 4135809.3,	30.0,	30.0,	0.0);	( 600716.3,
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( 600766.3, 4135859.3,	28.5,	28.5,	0.0);	( 600816.3,
4135859.3, 28.4, 28.4,	0.0);			
( 600866.3, 4135859.3,	29.2,	29.2,	0.0);	( 600916.3,
4135859.3, 29.1, 29.1,	0.0);			

650 N King\_Const.ADO

( 600966.3, 4135859.3, 28.8, 28.8, 0.0); ( 601016.3,  
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( 601016.3, 4135909.3, 29.1, 29.1, 0.0); ( 601066.3,  
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4135959.3, 29.2, 29.2, 0.0);  
( 601016.3, 4135959.3, 29.4, 29.4, 0.0); ( 601066.3,  
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( 600866.3, 4136009.3, 29.0, 29.0, 0.0); ( 600916.3,  
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( 600966.3, 4136009.3, 29.2, 29.2, 0.0); ( 601016.3,  
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( 601066.3, 4136009.3, 30.7, 30.7, 0.0); ( 599866.3,  
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4136059.3, 26.4, 26.4, 0.0);  
( 600216.3, 4136059.3, 27.8, 27.8, 0.0); ( 600266.3,  
4136059.3, 28.1, 28.1, 0.0);  
( 600916.3, 4136059.3, 29.9, 29.9, 0.0); ( 600966.3,  
4136059.3, 30.1, 30.1, 0.0);  
( 601016.3, 4136059.3, 30.2, 30.2, 0.0); ( 601066.3,  
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( 599866.3, 4136109.3, 26.4, 26.4, 0.0); ( 599916.3,  
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( 599966.3, 4136109.3, 27.1, 27.1, 0.0); ( 600016.3,  
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( 600216.3, 4136109.3, 28.0, 28.0, 0.0); ( 600266.3,  
4136109.3, 28.1, 28.1, 0.0);  
( 600316.3, 4136109.3, 28.0, 28.0, 0.0); ( 600366.3,  
4136109.3, 28.7, 28.7, 0.0);  
( 600416.3, 4136109.3, 28.9, 28.9, 0.0); ( 600466.3,  
4136109.3, 28.7, 28.7, 0.0);  
( 600966.3, 4136109.3, 30.5, 30.5, 0.0); ( 601016.3,  
4136109.3, 31.0, 31.0, 0.0);  
( 601066.3, 4136109.3, 30.7, 30.7, 0.0); ( 599866.3,  
4136159.3, 26.9, 26.9, 0.0);

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
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\*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

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

( 599916.3, 4136159.3,	27.1,	27.1,	0.0);	( 599966.3,
4136159.3, 26.8,	26.8,	0.0);		
( 600016.3, 4136159.3,	27.1,	27.1,	0.0);	( 600066.3,
4136159.3, 26.9,	26.9,	0.0);		
( 600166.3, 4136159.3,	27.6,	27.6,	0.0);	( 600216.3,
4136159.3, 28.2,	28.2,	0.0);		
( 600266.3, 4136159.3,	27.2,	27.2,	0.0);	( 600316.3,
4136159.3, 28.2,	28.2,	0.0);		
( 600366.3, 4136159.3,	29.1,	29.1,	0.0);	( 600416.3,
4136159.3, 29.1,	29.1,	0.0);		
( 600466.3, 4136159.3,	29.1,	29.1,	0.0);	( 600516.3,
4136159.3, 29.2,	29.2,	0.0);		
( 600566.3, 4136159.3,	29.5,	29.5,	0.0);	( 600716.3,
4136159.3, 30.2,	30.2,	0.0);		
( 600766.3, 4136159.3,	30.6,	30.6,	0.0);	( 601016.3,
4136159.3, 31.0,	31.0,	0.0);		
( 601066.3, 4136159.3,	31.1,	31.1,	0.0);	( 599866.3,
4136209.3, 27.2,	27.2,	0.0);		
( 599916.3, 4136209.3,	27.5,	27.5,	0.0);	( 599966.3,
4136209.3, 27.6,	27.6,	0.0);		
( 600016.3, 4136209.3,	27.6,	27.6,	0.0);	( 600066.3,
4136209.3, 27.2,	27.2,	0.0);		
( 600116.3, 4136209.3,	27.9,	27.9,	0.0);	( 600166.3,
4136209.3, 28.0,	28.0,	0.0);		
( 600216.3, 4136209.3,	28.4,	28.4,	0.0);	( 600266.3,
4136209.3, 29.0,	29.0,	0.0);		
( 600316.3, 4136209.3,	28.7,	28.7,	0.0);	( 600366.3,
4136209.3, 28.5,	28.5,	0.0);		
( 600416.3, 4136209.3,	28.5,	28.5,	0.0);	( 600466.3,
4136209.3, 29.2,	29.2,	0.0);		
( 600516.3, 4136209.3,	29.7,	29.7,	0.0);	( 600566.3,
4136209.3, 30.7,	30.7,	0.0);		
( 600616.3, 4136209.3,	30.0,	30.0,	0.0);	( 600666.3,
4136209.3, 30.0,	30.0,	0.0);		
( 600716.3, 4136209.3,	31.0,	31.0,	0.0);	( 600766.3,
4136209.3, 31.0,	31.0,	0.0);		
( 601066.3, 4136209.3,	32.0,	32.0,	0.0);	( 599866.3,
4136259.3, 27.6,	27.6,	0.0);		

650 N King\_Const.ADO

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 ( 600166.3, 4136259.3, 28.5, 28.5, 0.0); ( 600216.3, 4136259.3, 28.6, 28.6, 0.0);  
 ( 600266.3, 4136259.3, 29.1, 29.1, 0.0); ( 600316.3, 4136259.3, 29.5, 29.5, 0.0);  
 ( 600366.3, 4136259.3, 30.0, 30.0, 0.0); ( 600416.3, 4136259.3, 29.7, 29.7, 0.0);  
 ( 600466.3, 4136259.3, 30.1, 30.1, 0.0); ( 600516.3, 4136259.3, 30.5, 30.5, 0.0);  
 ( 600566.3, 4136259.3, 30.8, 30.8, 0.0); ( 600616.3, 4136259.3, 30.7, 30.7, 0.0);  
 ( 600666.3, 4136259.3, 30.6, 30.6, 0.0); ( 600716.3, 4136259.3, 30.2, 30.2, 0.0);  
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 ( 599866.3, 4136309.3, 27.1, 27.1, 0.0); ( 599916.3, 4136309.3, 27.5, 27.5, 0.0);  
 ( 599966.3, 4136309.3, 27.6, 27.6, 0.0); ( 600016.3, 4136309.3, 27.8, 27.8, 0.0);  
 ( 600066.3, 4136309.3, 28.0, 28.0, 0.0); ( 600116.3, 4136309.3, 28.0, 28.0, 0.0);  
 ( 600166.3, 4136309.3, 28.2, 28.2, 0.0); ( 600216.3, 4136309.3, 29.3, 29.3, 0.0);  
 ( 600266.3, 4136309.3, 29.9, 29.9, 0.0); ( 600316.3, 4136309.3, 29.8, 29.8, 0.0);  
 ( 600366.3, 4136309.3, 30.0, 30.0, 0.0); ( 600416.3, 4136309.3, 30.1, 30.1, 0.0);  
 ( 600466.3, 4136309.3, 30.6, 30.6, 0.0); ( 600516.3, 4136309.3, 30.9, 30.9, 0.0);  
 ( 600566.3, 4136309.3, 30.3, 30.3, 0.0); ( 600616.3, 4136309.3, 31.0, 31.0, 0.0);  
 ( 600666.3, 4136309.3, 30.9, 30.9, 0.0); ( 600716.3, 4136309.3, 31.5, 31.5, 0.0);  
 ( 600766.3, 4136309.3, 31.5, 31.5, 0.0); ( 600816.3, 4136309.3, 31.7, 31.7, 0.0);  
 ( 600866.3, 4136309.3, 32.0, 32.0, 0.0); ( 600916.3, 4136309.3, 32.0, 32.0, 0.0);  
 ( 600966.3, 4136309.3, 32.5, 32.5, 0.0); ( 601016.3, 4136309.3, 32.9, 32.9, 0.0);  
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650 N King\_Const.ADO

( 600066.3, 4136359.3, 28.0, 28.0, 0.0); ( 600116.3, 4136359.3, 28.1, 28.1, 0.0);

( 600166.3, 4136359.3, 28.7, 28.7, 0.0); ( 600216.3, 4136359.3, 29.4, 29.4, 0.0);

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600266.3, 4136359.3, 30.1, 30.1, 0.0); ( 600316.3, 4136359.3, 30.2, 30.2, 0.0);

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( 600466.3, 4136359.3, 30.9, 30.9, 0.0); ( 600516.3, 4136359.3, 31.0, 31.0, 0.0);

( 600566.3, 4136359.3, 31.1, 31.1, 0.0); ( 600616.3, 4136359.3, 31.4, 31.4, 0.0);

( 600666.3, 4136359.3, 31.7, 31.7, 0.0); ( 600716.3, 4136359.3, 31.8, 31.8, 0.0);

( 600766.3, 4136359.3, 32.2, 32.2, 0.0); ( 600816.3, 4136359.3, 32.8, 32.8, 0.0);

( 600866.3, 4136359.3, 32.3, 32.3, 0.0); ( 600916.3, 4136359.3, 32.5, 32.5, 0.0);

( 600966.3, 4136359.3, 32.6, 32.6, 0.0); ( 601016.3, 4136359.3, 33.5, 33.5, 0.0);

( 601066.3, 4136359.3, 32.9, 32.9, 0.0); ( 599866.3, 4136409.3, 28.3, 28.3, 0.0);

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 ( 600416.3, 4136509.3, 30.9, 30.9, 0.0); ( 600466.3, 4136509.3, 31.3, 31.3, 0.0);  
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 ( 600616.3, 4136509.3, 33.3, 33.3, 0.0); ( 600666.3, 4136509.3, 32.8, 32.8, 0.0);  
 ( 600716.3, 4136509.3, 33.6, 33.6, 0.0); ( 600766.3, 4136509.3, 33.6, 33.6, 0.0);  
 ( 600816.3, 4136509.3, 33.8, 33.8, 0.0); ( 600866.3, 4136509.3, 33.7, 33.7, 0.0);  
 ( 600916.3, 4136509.3, 33.6, 33.6, 0.0); ( 600966.3, 4136509.3, 34.1, 34.1, 0.0);

650 N King\_Const.ADO

( 601016.3, 4136509.3, 34.3, 34.3, 0.0); ( 601066.3,  
4136509.3, 33.6, 33.6, 0.0);  
( 599866.3, 4136559.3, 27.0, 27.0, 0.0); ( 599916.3,  
4136559.3, 27.9, 27.9, 0.0);  
( 599966.3, 4136559.3, 28.7, 28.7, 0.0); ( 600016.3,  
4136559.3, 28.9, 28.9, 0.0);  
( 600066.3, 4136559.3, 28.4, 28.4, 0.0); ( 600216.3,  
4136559.3, 30.1, 30.1, 0.0);  
( 600266.3, 4136559.3, 30.2, 30.2, 0.0); ( 600316.3,  
4136559.3, 31.1, 31.1, 0.0);

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600366.3, 4136559.3, 31.7, 31.7, 0.0); ( 600416.3,  
4136559.3, 31.9, 31.9, 0.0);  
( 600466.3, 4136559.3, 31.6, 31.6, 0.0); ( 600516.3,  
4136559.3, 31.8, 31.8, 0.0);  
( 600566.3, 4136559.3, 32.6, 32.6, 0.0); ( 600616.3,  
4136559.3, 32.8, 32.8, 0.0);  
( 600666.3, 4136559.3, 33.4, 33.4, 0.0); ( 600716.3,  
4136559.3, 33.8, 33.8, 0.0);  
( 600766.3, 4136559.3, 34.2, 34.2, 0.0); ( 600816.3,  
4136559.3, 33.9, 33.9, 0.0);  
( 600866.3, 4136559.3, 33.9, 33.9, 0.0); ( 600916.3,  
4136559.3, 34.0, 34.0, 0.0);  
( 600966.3, 4136559.3, 34.1, 34.1, 0.0); ( 601016.3,  
4136559.3, 34.8, 34.8, 0.0);  
( 601066.3, 4136559.3, 34.9, 34.9, 0.0);

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT  
BE PERFORMED \*



650 N King\_Const.ADO  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR

FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
- - -			
-1.81	L0005610	600516.3	4135659.3
-8.34	L0005611	600516.3	4135659.3
0.48	L0005616	600566.3	4135609.3
-6.01	L0005617	600566.3	4135609.3
0.49	L0005632	600666.3	4135459.3
-0.02	L0005633	600666.3	4135459.3
-3.57	L0005638	600716.3	4135409.3
-6.87	L0005639	600716.3	4135409.3
-1.17	L0005644	600766.3	4135359.3
-5.51	L0005645	600766.3	4135359.3
-0.30	L0005660	600866.3	4135209.3
0.98	L0005661	600866.3	4135209.3
-0.76	L0005693	600766.3	4135109.3
-0.68	L0005698	600716.3	4135059.3
-6.54	L0005699	600716.3	4135059.3
-0.20	L0005704	600666.3	4135009.3
-10.53	L0005705	600666.3	4135009.3
0.27	L0005706	600666.3	4135009.3

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction



650 N King\_Const.ADO

Surface file: 724945.SFC  
 Met Version: 14134  
 Profile file: 724945.PFL

Surface format: FREE

Profile format: FREE

Surface station no.:	23293	Upper air station no.:	23230
Name:	UNKNOWN	Name:	
OAKLAND/WSO_AP			
Year:	2009	Year:	2009

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							
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10	
1.00	0.00	0.	10.0	282.5	2.0									
09	01	01	1	02	-13.4	0.236	-9.000	-9.000	-999.	275.	89.0	0.32	1.10	
1.00	2.36	18.	10.0	282.5	2.0									
09	01	01	1	03	-7.9	0.139	-9.000	-9.000	-999.	128.	30.9	0.32	1.10	
1.00	1.76	4.	10.0	282.0	2.0									
09	01	01	1	04	-12.4	0.217	-9.000	-9.000	-999.	242.	74.8	0.25	1.10	
1.00	2.36	73.	10.0	281.4	2.0									
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10	
1.00	0.00	0.	10.0	282.0	2.0									
09	01	01	1	06	-9.7	0.170	-9.000	-9.000	-999.	168.	46.1	0.47	1.10	
1.00	1.76	342.	10.0	281.4	2.0									
09	01	01	1	07	-13.5	0.236	-9.000	-9.000	-999.	275.	88.6	0.32	1.10	
1.00	2.36	5.	10.0	281.4	2.0									
09	01	01	1	08	-19.7	0.345	-9.000	-9.000	-999.	486.	189.6	0.47	1.10	
0.74	2.86	333.	10.0	280.9	2.0									
09	01	01	1	09	-8.3	0.363	-9.000	-9.000	-999.	526.	525.4	0.47	1.10	
0.39	2.86	327.	10.0	280.9	2.0									
09	01	01	1	10	8.1	0.382	0.288	0.014	106.	566.	-625.1	0.47	1.10	
0.27	2.86	351.	10.0	280.9	2.0									
09	01	01	1	11	17.6	-9.000	-9.000	-9.000	189.	-999.	-99999.0	0.25	1.10	
0.23	0.00	0.	10.0	280.9	2.0									
09	01	01	1	12	23.0	-9.000	-9.000	-9.000	259.	-999.	-99999.0	0.25	1.10	
0.21	0.00	0.	10.0	281.4	2.0									
09	01	01	1	13	23.9	-9.000	-9.000	-9.000	315.	-999.	-99999.0	0.25	1.10	
0.21	0.00	0.	10.0	281.4	2.0									
09	01	01	1	14	48.5	-9.000	-9.000	-9.000	407.	-999.	-99999.0	0.25	1.10	
0.22	0.00	0.	10.0	283.1	2.0									
09	01	01	1	15	69.5	0.319	0.953	0.016	453.	433.	-42.6	0.32	1.10	

650 N King\_Const.ADO

0.25	2.36	32.	10.0	283.1	2.0								
09	01	01	1	16	24.5	-9.000	-9.000	-9.000	460.	-999.	-99999.0	0.25	1.10
0.33	0.00	0.	10.0	283.1	2.0								
09	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
0.57	0.00	0.	10.0	283.1	2.0								
09	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	282.5	2.0								
09	01	01	1	19	-24.2	0.212	-9.000	-9.000	-999.	235.	35.9	0.47	1.10
1.00	2.36	324.	10.0	281.4	2.0								
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	281.4	2.0								
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.4	2.0								
09	01	01	1	24	-9.7	0.170	-9.000	-9.000	-999.	168.	45.7	0.47	1.10
1.00	1.76	310.	10.0	280.4	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	-999.	-99.00	282.6	99.0	-99.00	-99.00

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

```

*** AERMOD - VERSION 21112 ***      *** 650 N King Construction
***                                ***      08/11/21
*** AERMET - VERSION 14134 ***      ***
***                                ***      09:41:17
  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

```

***
INCLUDING SOURCE(S):      L0005517      , L0005518
, L0005519      , L0005520      , L0005521      ,
, L0005522      , L0005523      , L0005524      , L0005525      , L0005526
, L0005527      , L0005528      , L0005529      ,
, L0005530      , L0005531      , L0005532      , L0005533      , L0005534
, L0005535      , L0005536      , L0005537      ,
, L0005538      , L0005539      , L0005540      , L0005541      , L0005542
, L0005543      , L0005544      , . . .      ,
  
```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

650 N King\_Const.ADO

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
600316.29	4135009.32	0.00166	600366.29
4135009.32	0.00170		
600416.29	4135009.32	0.00174	600466.29
4135009.32	0.00177		
600516.29	4135009.32	0.00181	600566.29
4135009.32	0.00185		
600616.29	4135009.32	0.00194	600666.29
4135009.32	0.00193		
600716.29	4135009.32	0.00195	600766.29
4135009.32	0.00185		
600816.29	4135009.32	0.00179	600866.29
4135009.32	0.00174		
600916.29	4135009.32	0.00170	600966.29
4135009.32	0.00166		
601016.29	4135009.32	0.00163	601066.29
4135009.32	0.00159		
600316.29	4135059.32	0.00183	600366.29
4135059.32	0.00188		
600416.29	4135059.32	0.00192	600466.29
4135059.32	0.00195		
600516.29	4135059.32	0.00198	600566.29
4135059.32	0.00201		
600616.29	4135059.32	0.00204	600666.29
4135059.32	0.00211		
600716.29	4135059.32	0.00217	600766.29
4135059.32	0.00215		
600816.29	4135059.32	0.00202	600866.29
4135059.32	0.00195		
600916.29	4135059.32	0.00189	600966.29
4135059.32	0.00184		
601016.29	4135059.32	0.00180	601066.29
4135059.32	0.00176		
600266.29	4135109.32	0.00195	600316.29
4135109.32	0.00202		
600366.29	4135109.32	0.00208	600416.29
4135109.32	0.00213		
600466.29	4135109.32	0.00217	600516.29
4135109.32	0.00221		
600566.29	4135109.32	0.00223	600616.29
4135109.32	0.00225		
600666.29	4135109.32	0.00227	600716.29

650 N King\_Const.ADO

4135109.32	0.00231			
600766.29	4135109.32	0.00242	600816.29	
4135109.32	0.00239			
600866.29	4135109.32	0.00222	600916.29	
4135109.32	0.00212			
600966.29	4135109.32	0.00206	601016.29	
4135109.32	0.00200			
601066.29	4135109.32	0.00196	600316.29	
4135159.32	0.00225			
600366.29	4135159.32	0.00233	600416.29	
4135159.32	0.00240			
600466.29	4135159.32	0.00244	600516.29	
4135159.32	0.00248			
600566.29	4135159.32	0.00250	600616.29	
4135159.32	0.00251			
600666.29	4135159.32	0.00252	600716.29	
4135159.32	0.00252			
600766.29	4135159.32	0.00255	600816.29	
4135159.32	0.00268			
600866.29	4135159.32	0.00266	600916.29	
4135159.32	0.00243			
600966.29	4135159.32	0.00232	601016.29	
4135159.32	0.00225			
601066.29	4135159.32	0.00220	600366.29	
4135209.32	0.00263			
600416.29	4135209.32	0.00272	600466.29	
4135209.32	0.00278			
600516.29	4135209.32	0.00282	600566.29	
4135209.32	0.00284			
600616.29	4135209.32	0.00285	600666.29	
4135209.32	0.00285			
600716.29	4135209.32	0.00284	600766.29	
4135209.32	0.00284			
600816.29	4135209.32	0.00286	600866.29	
4135209.32	0.00290			
600916.29	4135209.32	0.00277	600966.29	
4135209.32	0.00262			
601016.29	4135209.32	0.00254	601066.29	
4135209.32	0.00249			

\*\*\* AERMOD - VERSION 21112 \*\*\*  
 \*\*\*  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\*

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

650 N King\_Const.ADO

VALUES FOR SOURCE GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
600366.29	4135259.32	0.00299	600416.29
4135259.32	0.00311		
600466.29	4135259.32	0.00319	600516.29
4135259.32	0.00325		
600566.29	4135259.32	0.00328	600616.29
4135259.32	0.00328		
600666.29	4135259.32	0.00328	600716.29
4135259.32	0.00326		
600766.29	4135259.32	0.00325	600816.29
4135259.32	0.00332		
600866.29	4135259.32	0.00334	600916.29
4135259.32	0.00309		
600966.29	4135259.32	0.00298	601016.29
4135259.32	0.00291		
601066.29	4135259.32	0.00287	600416.29
4135309.32	0.00361		
600466.29	4135309.32	0.00372	600516.29
4135309.32	0.00379		
600566.29	4135309.32	0.00383	600616.29
4135309.32	0.00384		
600666.29	4135309.32	0.00383	600716.29
4135309.32	0.00381		
600766.29	4135309.32	0.00385	600816.29
4135309.32	0.00399		
600866.29	4135309.32	0.00367	600916.29
4135309.32	0.00353		
600966.29	4135309.32	0.00345	601016.29
4135309.32	0.00339		

650 N King\_Const.ADO

601066.29	4135309.32	0.00336	600416.29
4135359.32	0.00423		
600466.29	4135359.32	0.00440	600516.29
4135359.32	0.00451		
600566.29	4135359.32	0.00456	600616.29
4135359.32	0.00457		
600666.29	4135359.32	0.00456	600716.29
4135359.32	0.00457		
600766.29	4135359.32	0.00460	600816.29
4135359.32	0.00441		
600866.29	4135359.32	0.00424	600916.29
4135359.32	0.00414		
600966.29	4135359.32	0.00408	601016.29
4135359.32	0.00403		
601066.29	4135359.32	0.00400	600466.29
4135409.32	0.00530		
600516.29	4135409.32	0.00545	600566.29
4135409.32	0.00555		
600616.29	4135409.32	0.00556	600666.29
4135409.32	0.00555		
600716.29	4135409.32	0.00559	600766.29
4135409.32	0.00542		
600816.29	4135409.32	0.00521	600866.29
4135409.32	0.00508		
600916.29	4135409.32	0.00500	600966.29
4135409.32	0.00493		
601016.29	4135409.32	0.00488	601066.29
4135409.32	0.00481		
600566.29	4135459.32	0.00694	600616.29
4135459.32	0.00696		
600666.29	4135459.32	0.00696	600716.29
4135459.32	0.00684		
600766.29	4135459.32	0.00657	600816.29
4135459.32	0.00641		
600866.29	4135459.32	0.00629	600916.29
4135459.32	0.00619		
600966.29	4135459.32	0.00608	601016.29
4135459.32	0.00595		
601066.29	4135459.32	0.00579	600666.29
4135509.32	0.00896		
600716.29	4135509.32	0.00859	600766.29
4135509.32	0.00837		
600816.29	4135509.32	0.00819	600866.29
4135509.32	0.00800		
600916.29	4135509.32	0.00779	600966.29
4135509.32	0.00754		
601016.29	4135509.32	0.00723	601066.29
4135509.32	0.00688		



650 N King\_Const.ADO

600616.29 4135559.32 0.01232 600666.29  
 4135559.32 0.01182  
 600716.29 4135559.32 0.01149 600766.29  
 4135559.32 0.01115

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

\*\*\*  
 INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
600816.29	4135559.32	0.01077	600866.29
4135559.32	0.01033		
600916.29	4135559.32	0.00981	600966.29
4135559.32	0.00924		
601016.29	4135559.32	0.00861	601066.29
4135559.32	0.00797		
600566.29	4135609.32	0.01791	600616.29
4135609.32	0.01755		
600666.29	4135609.32	0.01698	600716.29
4135609.32	0.01621		
600766.29	4135609.32	0.01530	600816.29
4135609.32	0.01428		
600866.29	4135609.32	0.01321	600916.29
4135609.32	0.01208		
600966.29	4135609.32	0.01095	601016.29

650 N King\_Const.ADO

4135609.32	0.00987			
601066.29	4135609.32	0.00886		600516.29
4135659.32	0.02960			
600566.29	4135659.32	0.02972		600616.29
4135659.32	0.02836			
600666.29	4135659.32	0.02601		600716.29
4135659.32	0.02341			
600766.29	4135659.32	0.02087		600816.29
4135659.32	0.01846			
600866.29	4135659.32	0.01623		600916.29
4135659.32	0.01418			
600966.29	4135659.32	0.01235		601016.29
4135659.32	0.01076			
601066.29	4135659.32	0.00938		600566.29
4135709.32	0.06157			
600616.29	4135709.32	0.04916		600666.29
4135709.32	0.03984			
600716.29	4135709.32	0.03282		600766.29
4135709.32	0.02712			
600816.29	4135709.32	0.02250		600866.29
4135709.32	0.01867			
600916.29	4135709.32	0.01556		600966.29
4135709.32	0.01306			
601016.29	4135709.32	0.01102		601066.29
4135709.32	0.00940			
600616.29	4135759.32	0.08203		600666.29
4135759.32	0.05783			
600716.29	4135759.32	0.04269		600766.29
4135759.32	0.03235			
600816.29	4135759.32	0.02496		600866.29
4135759.32	0.01962			
600916.29	4135759.32	0.01574		600966.29
4135759.32	0.01283			
601016.29	4135759.32	0.01064		601066.29
4135759.32	0.00896			
600666.29	4135809.32	0.07712		600716.29
4135809.32	0.04895			
600766.29	4135809.32	0.03369		600816.29
4135809.32	0.02453			
600866.29	4135809.32	0.01865		600916.29
4135809.32	0.01465			
600966.29	4135809.32	0.01183		601016.29
4135809.32	0.00976			
601066.29	4135809.32	0.00819		600716.29
4135859.32	0.04467			
600766.29	4135859.32	0.02974		600816.29
4135859.32	0.02146			
600866.29	4135859.32	0.01626		600916.29

650 N King\_Const.ADO

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4135859.32      0.01284
      600966.29   4135859.32      0.01045      601016.29
4135859.32      0.00868
      601066.29   4135859.32      0.00733      600766.29
4135909.32      0.02357
      600816.29   4135909.32      0.01749      600866.29
4135909.32      0.01364
      600916.29   4135909.32      0.01095      600966.29
4135909.32      0.00905
      601016.29   4135909.32      0.00763      601066.29
4135909.32      0.00653
      600816.29   4135959.32      0.01421      600866.29
4135959.32      0.01138
      600916.29   4135959.32      0.00938      600966.29
4135959.32      0.00787
      601016.29   4135959.32      0.00672      601066.29
4135959.32      0.00580

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^ *** AERMOD - VERSION 21112 ***      *** 650 N King Construction
                                   ***      08/11/21
*** AERMET - VERSION 14134 ***      ***
                                   ***      09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

VALUES FOR SOURCE GROUP: ALL \*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION \*\*\*

```

          INCLUDING SOURCE(S):      L0005517      , L0005518
, L0005519      , L0005520      , L0005521      ,
      L0005522      , L0005523      , L0005524      , L0005525      , L0005526
, L0005527      , L0005528      , L0005529      ,
      L0005530      , L0005531      , L0005532      , L0005533      , L0005534
, L0005535      , L0005536      , L0005537      ,
      L0005538      , L0005539      , L0005540      , L0005541      , L0005542
, L0005543      , L0005544      , . . .      ,

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\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

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```

          X-COORD (M)   Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
          599866.29   4136009.32      0.00362      599916.29
4136009.32      0.00418

```

650 N King\_Const.ADO

600866.29	4136009.32	0.00965	600916.29
4136009.32	0.00810		
600966.29	4136009.32	0.00692	601016.29
4136009.32	0.00597		
601066.29	4136009.32	0.00522	599866.29
4136059.32	0.00365		
599916.29	4136059.32	0.00419	599966.29
4136059.32	0.00485		
600216.29	4136059.32	0.01178	600266.29
4136059.32	0.01390		
600916.29	4136059.32	0.00707	600966.29
4136059.32	0.00613		
601016.29	4136059.32	0.00536	601066.29
4136059.32	0.00472		
599866.29	4136109.32	0.00363	599916.29
4136109.32	0.00413		
599966.29	4136109.32	0.00473	600016.29
4136109.32	0.00545		
600216.29	4136109.32	0.00995	600266.29
4136109.32	0.01136		
600316.29	4136109.32	0.01288	600366.29
4136109.32	0.01438		
600416.29	4136109.32	0.01581	600466.29
4136109.32	0.01697		
600966.29	4136109.32	0.00545	601016.29
4136109.32	0.00483		
601066.29	4136109.32	0.00430	599866.29
4136159.32	0.00355		
599916.29	4136159.32	0.00400	599966.29
4136159.32	0.00452		
600016.29	4136159.32	0.00514	600066.29
4136159.32	0.00588		
600166.29	4136159.32	0.00757	600216.29
4136159.32	0.00838		
600266.29	4136159.32	0.00926	600316.29
4136159.32	0.01013		
600366.29	4136159.32	0.01091	600416.29
4136159.32	0.01165		
600466.29	4136159.32	0.01229	600516.29
4136159.32	0.01264		
600566.29	4136159.32	0.01238	600716.29
4136159.32	0.00881		
600766.29	4136159.32	0.00773	601016.29
4136159.32	0.00436		
601066.29	4136159.32	0.00392	599866.29
4136209.32	0.00342		
599916.29	4136209.32	0.00382	599966.29
4136209.32	0.00426		

650 N King\_Const.ADO

600016.29    4136209.32    0.00479            600066.29
4136209.32          0.00547
600116.29    4136209.32    0.00607            600166.29
4136209.32          0.00651
600216.29    4136209.32    0.00706            600266.29
4136209.32          0.00759
600316.29    4136209.32    0.00810            600366.29
4136209.32          0.00856
600416.29    4136209.32    0.00900            600466.29
4136209.32          0.00941
600516.29    4136209.32    0.00967            600566.29
4136209.32          0.00955
600616.29    4136209.32    0.00901            600666.29
4136209.32          0.00816
600716.29    4136209.32    0.00726            600766.29
4136209.32          0.00648
601066.29    4136209.32    0.00348            599866.29
4136259.32          0.00326
599916.29    4136259.32    0.00360            599966.29
4136259.32          0.00398
600016.29    4136259.32    0.00444            600116.29
4136259.32          0.00527
600166.29    4136259.32    0.00560            600216.29
4136259.32          0.00596
600266.29    4136259.32    0.00630            600316.29
4136259.32          0.00659
600366.29    4136259.32    0.00687            600416.29
4136259.32          0.00717
600466.29    4136259.32    0.00746            600516.29
4136259.32          0.00768

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*               \*\*\* 650 N King Construction  
                                  \*\*\*               08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\*               \*\*\*  
                                  \*\*\*               09:41:17

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\*\*\* MODELOPTs:     RegDEFAULT   CONC   ELEV   URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL                    \*\*\*  
  INCLUDING SOURCE(S):        L0005517     ,   L0005518  
   ,   L0005519     ,   L0005520     ,   L0005521     ,                                ,  
  L0005522     ,   L0005523     ,   L0005524     ,   L0005525     ,   L0005526  
   ,   L0005527     ,   L0005528     ,   L0005529     ,                                ,  
  L0005530     ,   L0005531     ,   L0005532     ,   L0005533     ,   L0005534  
   ,   L0005535     ,   L0005536     ,   L0005537     ,                                ,  
  L0005538     ,   L0005539     ,   L0005540     ,   L0005541     ,   L0005542  
   ,   L0005543     ,   L0005544     ,   . . .                                        ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
600566.29	4136259.32	0.00766	600616.29
4136259.32	0.00733		
600666.29	4136259.32	0.00676	600716.29
4136259.32	0.00613		
600766.29	4136259.32	0.00552	600816.29
4136259.32	0.00500		
601016.29	4136259.32	0.00308	601066.29
4136259.32	0.00298		
599866.29	4136309.32	0.00308	599916.29
4136309.32	0.00336		
599966.29	4136309.32	0.00369	600016.29
4136309.32	0.00419		
600066.29	4136309.32	0.00443	600116.29
4136309.32	0.00460		
600166.29	4136309.32	0.00484	600216.29
4136309.32	0.00507		
600266.29	4136309.32	0.00528	600316.29
4136309.32	0.00547		
600366.29	4136309.32	0.00566	600416.29
4136309.32	0.00587		
600466.29	4136309.32	0.00610	600516.29
4136309.32	0.00629		
600566.29	4136309.32	0.00632	600616.29
4136309.32	0.00610		
600666.29	4136309.32	0.00570	600716.29
4136309.32	0.00522		
600766.29	4136309.32	0.00477	600816.29
4136309.32	0.00435		
600866.29	4136309.32	0.00393	600916.29
4136309.32	0.00361		
600966.29	4136309.32	0.00291	601016.29
4136309.32	0.00246		
601066.29	4136309.32	0.00235	599866.29
4136359.32	0.00289		
599916.29	4136359.32	0.00313	599966.29
4136359.32	0.00345		
600066.29	4136359.32	0.00388	600116.29

650 N King\_Const.ADO

4136359.32	0.00403			
	600166.29	4136359.32	0.00420	600216.29
4136359.32	0.00435			
	600266.29	4136359.32	0.00449	600316.29
4136359.32	0.00462			
	600366.29	4136359.32	0.00475	600416.29
4136359.32	0.00492			
	600466.29	4136359.32	0.00510	600516.29
4136359.32	0.00526			
	600566.29	4136359.32	0.00530	600616.29
4136359.32	0.00516			
	600666.29	4136359.32	0.00488	600716.29
4136359.32	0.00451			
	600766.29	4136359.32	0.00386	600816.29
4136359.32	0.00288			
	600866.29	4136359.32	0.00314	600916.29
4136359.32	0.00272			
	600966.29	4136359.32	0.00239	601016.29
4136359.32	0.00207			
	601066.29	4136359.32	0.00207	599866.29
4136409.32	0.00270			
	599916.29	4136409.32	0.00292	600016.29
4136409.32	0.00338			
	600066.29	4136409.32	0.00343	600216.29
4136409.32	0.00377			
	600266.29	4136409.32	0.00386	600316.29
4136409.32	0.00395			
	600366.29	4136409.32	0.00405	600416.29
4136409.32	0.00419			
	600466.29	4136409.32	0.00435	600516.29
4136409.32	0.00448			
	600566.29	4136409.32	0.00451	600616.29
4136409.32	0.00442			
	600666.29	4136409.32	0.00410	600716.29
4136409.32	0.00371			
	600766.29	4136409.32	0.00321	600816.29
4136409.32	0.00271			
	600866.29	4136409.32	0.00237	600916.29
4136409.32	0.00240			
	600966.29	4136409.32	0.00194	601016.29
4136409.32	0.00185			
	601066.29	4136409.32	0.00176	599866.29

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4136459.32      0.00251
^ *** AERMOD - VERSION 21112 ***      *** 650 N King Construction
                                ***      08/11/21
*** AERMET - VERSION 14134 ***      ***
                                ***      09:41:17
    
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
599916.29	4136459.32	0.00276	599966.29
4136459.32	0.00308		
600016.29	4136459.32	0.00298	600066.29
4136459.32	0.00305		
600216.29	4136459.32	0.00329	600266.29
4136459.32	0.00336		
600316.29	4136459.32	0.00343	600366.29
4136459.32	0.00351		
600416.29	4136459.32	0.00362	600466.29
4136459.32	0.00375		
600516.29	4136459.32	0.00385	600566.29
4136459.32	0.00388		
600616.29	4136459.32	0.00330	600666.29
4136459.32	0.00319		
600716.29	4136459.32	0.00334	600766.29
4136459.32	0.00285		
600816.29	4136459.32	0.00230	600866.29
4136459.32	0.00208		
600916.29	4136459.32	0.00190	600966.29
4136459.32	0.00171		
601016.29	4136459.32	0.00160	601066.29
4136459.32	0.00155		
599866.29	4136509.32	0.00235	599966.29
4136509.32	0.00264		





650 N King\_Const.ADO

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
600316.29	4135009.32	0.01861	(13012218)	600366.29
4135009.32	0.02060	(13012218)		
600416.29	4135009.32	0.02147	(13012218)	600466.29
4135009.32	0.02186	(09012904)		
600516.29	4135009.32	0.02193	(09012904)	600566.29
4135009.32	0.02066	(09012904)		
600616.29	4135009.32	0.01839	(09012904)	600666.29
4135009.32	0.01547	(09012904)		
600716.29	4135009.32	0.01259	(09012904)	600766.29
4135009.32	0.01094	(12012917)		
600816.29	4135009.32	0.01106	(12012917)	600866.29
4135009.32	0.00998	(12012917)		
600916.29	4135009.32	0.00890	(11102217)	600966.29
4135009.32	0.00865	(11102217)		
601016.29	4135009.32	0.00826	(13090407)	601066.29
4135009.32	0.00824	(13090407)		
600316.29	4135059.32	0.01977	(13012218)	600366.29
4135059.32	0.02218	(13012218)		
600416.29	4135059.32	0.02336	(13012218)	600466.29
4135059.32	0.02377	(09012904)		
600516.29	4135059.32	0.02384	(09012904)	600566.29
4135059.32	0.02235	(09012904)		
600616.29	4135059.32	0.01964	(09012904)	600666.29
4135059.32	0.01635	(09012904)		
600716.29	4135059.32	0.01308	(09012904)	600766.29

650 N King\_Const.ADO

4135059.32	0.01247	(12012917)		
600816.29	4135059.32	0.01196	(12012917)	600866.29
4135059.32	0.01026	(12012917)		
600916.29	4135059.32	0.00974	(11102217)	600966.29
4135059.32	0.00911	(11102217)		
601016.29	4135059.32	0.00922	(13090407)	601066.29
4135059.32	0.00893	(13072920)		
600266.29	4135109.32	0.02126	(12120322)	600316.29
4135109.32	0.02123	(09012703)		
600366.29	4135109.32	0.02397	(13012218)	600416.29
4135109.32	0.02554	(13012218)		
600466.29	4135109.32	0.02599	(09012904)	600516.29
4135109.32	0.02611	(09012904)		
600566.29	4135109.32	0.02435	(09012904)	600616.29
4135109.32	0.02115	(09012904)		
600666.29	4135109.32	0.01730	(09012904)	600716.29
4135109.32	0.01357	(09012904)		
600766.29	4135109.32	0.01375	(12012917)	600816.29
4135109.32	0.01290	(12012917)		
600866.29	4135109.32	0.01090	(11102217)	600916.29
4135109.32	0.01050	(11102217)		
600966.29	4135109.32	0.01029	(13090407)	601016.29
4135109.32	0.00997	(13090407)		
601066.29	4135109.32	0.01138	(13072920)	600316.29
4135159.32	0.02341	(12120322)		
600366.29	4135159.32	0.02598	(13012218)	600416.29
4135159.32	0.02806	(13012218)		
600466.29	4135159.32	0.02861	(09012904)	600516.29
4135159.32	0.02880	(09012904)		
600566.29	4135159.32	0.02669	(09012904)	600616.29
4135159.32	0.02290	(09012904)		
600666.29	4135159.32	0.01842	(09012904)	600716.29
4135159.32	0.01488	(12012917)		
600766.29	4135159.32	0.01498	(12012917)	600816.29
4135159.32	0.01327	(12012917)		
600866.29	4135159.32	0.01232	(11102217)	600916.29
4135159.32	0.01149	(13090407)		
600966.29	4135159.32	0.01138	(13090407)	601016.29
4135159.32	0.01273	(13072920)		
601066.29	4135159.32	0.01447	(13072920)	600366.29
4135209.32	0.02814	(13012218)		
600416.29	4135209.32	0.03100	(13012218)	600466.29
4135209.32	0.03172	(09012904)		
600516.29	4135209.32	0.03197	(09012904)	600566.29
4135209.32	0.02944	(09012904)		
600616.29	4135209.32	0.02496	(09012904)	600666.29
4135209.32	0.01970	(09012904)		
600716.29	4135209.32	0.01703	(12012917)	600766.29

650 N King\_Const.ADO

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4135209.32      0.01622 (12012917)
      600816.29  4135209.32      0.01359 (11102217)      600866.29
4135209.32      0.01318 (11102217)
      600916.29  4135209.32      0.01304 (13090407)      600966.29
4135209.32      0.01430 (13072920)
      601016.29  4135209.32      0.01635 (13072920)      601066.29
4135209.32      0.01826 (13072920)

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^ *** AERMOD - VERSION 21112 ***      *** 650 N King Construction
      ***      08/11/21
*** AERMET - VERSION 14134 ***      ***
      ***      09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      L0005517      , L0005518
, L0005519      , L0005520      , L0005521      ,
      L0005522      , L0005523      , L0005524      , L0005525      , L0005526
, L0005527      , L0005528      , L0005529      ,
      L0005530      , L0005531      , L0005532      , L0005533      , L0005534
, L0005535      , L0005536      , L0005537      ,
      L0005538      , L0005539      , L0005540      , L0005541      , L0005542
, L0005543      , L0005544      , . . .      ,

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\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

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\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

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      **
      X-COORD (M)  Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
-----
      600366.29  4135259.32      0.03055 (13012218)      600416.29
4135259.32      0.03447 (13012218)
      600466.29  4135259.32      0.03545 (09012904)      600516.29
4135259.32      0.03579 (09012904)
      600566.29  4135259.32      0.03276 (09012904)      600616.29
4135259.32      0.02733 (09012904)
      600666.29  4135259.32      0.02117 (09012904)      600716.29
4135259.32      0.01927 (12012917)
      600766.29  4135259.32      0.01730 (12012917)      600816.29
4135259.32      0.01523 (11102217)
      600866.29  4135259.32      0.01492 (13090407)      600916.29
4135259.32      0.01618 (13072920)

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650 N King\_Const.ADO

600966.29	4135259.32	0.01867	(13072920)	601016.29
4135259.32	0.02096	(13072920)		
601066.29	4135259.32	0.02289	(13072920)	600416.29
4135309.32	0.03861	(13012218)		
600466.29	4135309.32	0.03997	(09012904)	600516.29
4135309.32	0.04052	(09012904)		
600566.29	4135309.32	0.03675	(09012904)	600616.29
4135309.32	0.03011	(09012904)		
600666.29	4135309.32	0.02283	(09012904)	600716.29
4135309.32	0.02152	(12012917)		
600766.29	4135309.32	0.01816	(12012917)	600816.29
4135309.32	0.01698	(13090407)		
600866.29	4135309.32	0.01840	(13072920)	600916.29
4135309.32	0.02149	(13072920)		
600966.29	4135309.32	0.02430	(13072920)	601016.29
4135309.32	0.02659	(13072920)		
601066.29	4135309.32	0.02923	(10111518)	600416.29
4135359.32	0.04319	(13012218)		
600466.29	4135359.32	0.04561	(13012218)	600516.29
4135359.32	0.04639	(09012904)		
600566.29	4135359.32	0.04162	(09012904)	600616.29
4135359.32	0.03343	(09012904)		
600666.29	4135359.32	0.02557	(12012917)	600716.29
4135359.32	0.02365	(12012917)		
600766.29	4135359.32	0.01974	(11102217)	600816.29
4135359.32	0.02109	(13072920)		
600866.29	4135359.32	0.02499	(13072920)	600916.29
4135359.32	0.02853	(13072920)		
600966.29	4135359.32	0.03131	(13072920)	601016.29
4135359.32	0.03477	(10111518)		
601066.29	4135359.32	0.03866	(13013118)	600466.29
4135409.32	0.05281	(13012218)		
600516.29	4135409.32	0.05349	(09012904)	600566.29
4135409.32	0.04772	(09012904)		
600616.29	4135409.32	0.03739	(09012904)	600666.29
4135409.32	0.02966	(12012917)		
600716.29	4135409.32	0.02546	(12012917)	600766.29
4135409.32	0.02451	(11092421)		
600816.29	4135409.32	0.02951	(13072920)	600866.29
4135409.32	0.03405	(13072920)		
600916.29	4135409.32	0.03743	(13072920)	600966.29
4135409.32	0.04201	(10111518)		
601016.29	4135409.32	0.04776	(13013118)	601066.29
4135409.32	0.05349	(13022222)		
600566.29	4135459.32	0.05561	(09012904)	600616.29
4135459.32	0.04230	(09012904)		
600666.29	4135459.32	0.03390	(12012917)	600716.29
4135459.32	0.02946	(11092421)		

650 N King\_Const.ADO

600766.29	4135459.32	0.03550	(13072920)	600816.29
4135459.32	0.04146	(13072920)		
600866.29	4135459.32	0.04613	(10111518)	600916.29
4135459.32	0.05169	(10111518)		
600966.29	4135459.32	0.05983	(13013118)	601016.29
4135459.32	0.06623	(13022222)		
601066.29	4135459.32	0.07077	(10101219)	600666.29
4135509.32	0.03749	(12012917)		
600716.29	4135509.32	0.04370	(13072920)	600766.29
4135509.32	0.05183	(13072920)		
600816.29	4135509.32	0.05860	(10111518)	600866.29
4135509.32	0.06710	(13013118)		
600916.29	4135509.32	0.07630	(13022222)	600966.29
4135509.32	0.08311	(10101219)		
601016.29	4135509.32	0.08783	(09020219)	601066.29
4135509.32	0.08882	(09020219)		
600616.29	4135559.32	0.05585	(09012904)	600666.29
4135559.32	0.05574	(13072920)		
600716.29	4135559.32	0.06717	(13072920)	600766.29
4135559.32	0.07698	(10111518)		

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

650 N King\_Const.ADO

600816.29	4135559.32	0.08948	(13013118)	600866.29
4135559.32	0.09943	(13022222)		
600916.29	4135559.32	0.10619	(09020219)	600966.29
4135559.32	0.10851	(09020219)		
601016.29	4135559.32	0.10519	(09020219)	601066.29
4135559.32	0.09873	(12010421)		
600566.29	4135609.32	0.09969	(09012904)	600616.29
4135609.32	0.07607	(11092421)		
600666.29	4135609.32	0.09189	(13072920)	600716.29
4135609.32	0.10784	(13013118)		
600766.29	4135609.32	0.12323	(13022222)	600816.29
4135609.32	0.13263	(09020219)		
600866.29	4135609.32	0.13670	(09020219)	600916.29
4135609.32	0.13291	(09020219)		
600966.29	4135609.32	0.12381	(12010421)	601016.29
4135609.32	0.11127	(12010421)		
601066.29	4135609.32	0.10032	(13013019)	600516.29
4135659.32	0.17992	(09012904)		
600566.29	4135659.32	0.13023	(09012904)	600616.29
4135659.32	0.14136	(10111518)		
600666.29	4135659.32	0.16487	(13013118)	600716.29
4135659.32	0.17678	(09020219)		
600766.29	4135659.32	0.18059	(09020219)	600816.29
4135659.32	0.17518	(09020219)		
600866.29	4135659.32	0.16160	(12010421)	600916.29
4135659.32	0.14317	(12010421)		
600966.29	4135659.32	0.12658	(13013019)	601016.29
4135659.32	0.11509	(09120217)		
601066.29	4135659.32	0.10527	(09120217)	600566.29
4135709.32	0.28266	(13022222)		
600616.29	4135709.32	0.27650	(09020219)	600666.29
4135709.32	0.26280	(09020219)		
600716.29	4135709.32	0.24611	(09020219)	600766.29
4135709.32	0.22378	(12010421)		
600816.29	4135709.32	0.19482	(12010421)	600866.29
4135709.32	0.16795	(11020801)		
600916.29	4135709.32	0.15070	(09120217)	600966.29
4135709.32	0.13362	(13122319)		
601016.29	4135709.32	0.11987	(13122319)	601066.29
4135709.32	0.10720	(11021221)		
600616.29	4135759.32	0.40950	(09020219)	600666.29
4135759.32	0.34443	(09020219)		
600716.29	4135759.32	0.29232	(12010421)	600766.29
4135759.32	0.24407	(09120217)		
600816.29	4135759.32	0.20801	(13122319)	600866.29
4135759.32	0.17831	(13122319)		
600916.29	4135759.32	0.15775	(11021221)	600966.29

650 N King\_Const.ADO

4135759.32	0.13908	(11021221)		
601016.29	4135759.32	0.12410	(10020120)	601066.29
4135759.32	0.11236	(13121017)		
600666.29	4135809.32	0.41967	(09120217)	600716.29
4135809.32	0.32740	(11021221)		
600766.29	4135809.32	0.26566	(13121017)	600816.29
4135809.32	0.22200	(13121017)		
600866.29	4135809.32	0.18827	(13121017)	600916.29
4135809.32	0.16269	(09121620)		
600966.29	4135809.32	0.14244	(09121620)	601016.29
4135809.32	0.12575	(09121620)		
601066.29	4135809.32	0.11220	(11022003)	600716.29
4135859.32	0.34050	(13122518)		
600766.29	4135859.32	0.27014	(13021622)	600816.29
4135859.32	0.22338	(13021622)		
600866.29	4135859.32	0.18914	(13021622)	600916.29
4135859.32	0.16345	(13021622)		
600966.29	4135859.32	0.14330	(13021622)	601016.29
4135859.32	0.12698	(13021622)		
601066.29	4135859.32	0.11356	(13021622)	600766.29
4135909.32	0.26479	(09011819)		
600816.29	4135909.32	0.21835	(10020621)	600866.29
4135909.32	0.18525	(10020621)		
600916.29	4135909.32	0.16109	(13010819)	600966.29
4135909.32	0.14219	(13010819)		
601016.29	4135909.32	0.12631	(13010819)	601066.29
4135909.32	0.11331	(13122518)		
600816.29	4135959.32	0.20997	(13012703)	600866.29
4135959.32	0.18110	(09011819)		
600916.29	4135959.32	0.16023	(09011819)	600966.29
4135959.32	0.14038	(09011819)		
601016.29	4135959.32	0.12353	(13010721)	601066.29
4135959.32	0.11042	(13010721)		

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 L0005530 , L0005531 , L0005532 , L0005533 , L0005534



650 N King\_Const.ADO

, L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
599866.29	4136009.32	0.05205	(11122422)	599916.29
4136009.32	0.05752	(11122422)		
600866.29	4136009.32	0.17250	(11012019)	600916.29
4136009.32	0.15144	(11012019)		
600966.29	4136009.32	0.13534	(13012703)	601016.29
4136009.32	0.12006	(13012703)		
601066.29	4136009.32	0.10979	(09011819)	599866.29
4136059.32	0.05070	(12011724)		
599916.29	4136059.32	0.05670	(13120123)	599966.29
4136059.32	0.06286	(13120123)		
600216.29	4136059.32	0.10301	(10122505)	600266.29
4136059.32	0.11367	(12121919)		
600916.29	4136059.32	0.15190	(13012018)	600966.29
4136059.32	0.12852	(11012019)		
601016.29	4136059.32	0.11707	(11012019)	601066.29
4136059.32	0.10447	(13012703)		
599866.29	4136109.32	0.04976	(13120123)	599916.29
4136109.32	0.05387	(12011221)		
599966.29	4136109.32	0.05996	(12011221)	600016.29
4136109.32	0.06676	(13021423)		
600216.29	4136109.32	0.08909	(12121919)	600266.29
4136109.32	0.09980	(12012120)		
600316.29	4136109.32	0.11077	(09020123)	600366.29
4136109.32	0.12263	(09011908)		
600416.29	4136109.32	0.13767	(09121505)	600466.29
4136109.32	0.22518	(09101901)		
600966.29	4136109.32	0.13544	(13012018)	601016.29
4136109.32	0.11574	(13012018)		
601066.29	4136109.32	0.10072	(11010221)	599866.29
4136159.32	0.04800	(12011221)		
599916.29	4136159.32	0.05274	(13021423)	599966.29
4136159.32	0.05677	(13021423)		
600016.29	4136159.32	0.06011	(10122505)	600066.29
4136159.32	0.06152	(10122505)		

650 N King\_Const.ADO

600166.29	4136159.32	0.07228	(12121919)	600216.29
4136159.32	0.07964	(12012120)		
600266.29	4136159.32	0.08797	(09020123)	600316.29
4136159.32	0.09629	(09012901)		
600366.29	4136159.32	0.10525	(10013003)	600416.29
4136159.32	0.11835	(09101901)		
600466.29	4136159.32	0.19222	(09101901)	600516.29
4136159.32	0.24560	(13122620)		
600566.29	4136159.32	0.24503	(12121220)	600716.29
4136159.32	0.20305	(12010724)		
600766.29	4136159.32	0.18300	(10010420)	601016.29
4136159.32	0.11864	(11120220)		
601066.29	4136159.32	0.10678	(13012018)	599866.29
4136209.32	0.04606	(13021423)		
599916.29	4136209.32	0.04857	(10122505)	599966.29
4136209.32	0.04997	(10122505)		
600016.29	4136209.32	0.05119	(10010201)	600066.29
4136209.32	0.05600	(12120307)		
600116.29	4136209.32	0.06023	(12121919)	600166.29
4136209.32	0.06545	(12122504)		
600216.29	4136209.32	0.07196	(09020123)	600266.29
4136209.32	0.07780	(09012901)		
600316.29	4136209.32	0.08297	(09011908)	600366.29
4136209.32	0.09055	(09121505)		
600416.29	4136209.32	0.10701	(09101901)	600466.29
4136209.32	0.16702	(09101901)		
600516.29	4136209.32	0.20862	(13122620)	600566.29
4136209.32	0.20830	(13020120)		
600616.29	4136209.32	0.20230	(10020324)	600666.29
4136209.32	0.19209	(11120207)		
600716.29	4136209.32	0.17768	(12122420)	600766.29
4136209.32	0.16810	(12010724)		
601066.29	4136209.32	0.10603	(11120220)	599866.29
4136259.32	0.04158	(10122505)		
599916.29	4136259.32	0.04170	(10122505)	599966.29
4136259.32	0.04433	(11122021)		
600016.29	4136259.32	0.04798	(12121919)	600116.29
4136259.32	0.05515	(12122504)		
600166.29	4136259.32	0.06013	(09020123)	600216.29
4136259.32	0.06388	(09012901)		
600266.29	4136259.32	0.06826	(09012901)	600316.29
4136259.32	0.07370	(10013003)		
600366.29	4136259.32	0.07862	(09121505)	600416.29
4136259.32	0.09757	(09101901)		
600466.29	4136259.32	0.14668	(09101901)	600516.29
4136259.32	0.18027	(13122620)		

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21

\*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
600566.29	4136259.32	0.17994	(13020120)	600616.29
4136259.32	0.17791	(10020324)		
600666.29	4136259.32	0.16697	(11010521)	600716.29
4136259.32	0.15939	(11120207)		
600766.29	4136259.32	0.14884	(12122420)	600816.29
4136259.32	0.14022	(12010724)		
601016.29	4136259.32	0.12545	(13021419)	601066.29
4136259.32	0.10971	(12020124)		
599866.29	4136309.32	0.03628	(10010201)	599916.29
4136309.32	0.03894	(11122021)		
599966.29	4136309.32	0.04181	(12121919)	600016.29
4136309.32	0.04484	(13022501)		
600066.29	4136309.32	0.04746	(11020303)	600116.29
4136309.32	0.05123	(12012120)		
600166.29	4136309.32	0.05392	(13021203)	600216.29
4136309.32	0.05821	(09012901)		
600266.29	4136309.32	0.06088	(09011908)	600316.29
4136309.32	0.06573	(10013003)		
600366.29	4136309.32	0.06801	(12012201)	600416.29
4136309.32	0.08978	(09101901)		
600466.29	4136309.32	0.13032	(09101901)	600516.29

650 N King\_Const.ADO

4136309.32	0.15818	(13122620)		
600566.29	4136309.32	0.15687	(13020120)	600616.29
4136309.32	0.15500	(10020324)		
600666.29	4136309.32	0.14823	(11120424)	600716.29
4136309.32	0.14459	(11120207)		
600766.29	4136309.32	0.13421	(12122420)	600816.29
4136309.32	0.12984	(12010724)		
600866.29	4136309.32	0.12126	(10010420)	600916.29
4136309.32	0.11322	(10010420)		
600966.29	4136309.32	0.12647	(11012205)	601016.29
4136309.32	0.13214	(11012620)		
601066.29	4136309.32	0.12105	(13021419)	599866.29
4136359.32	0.03449	(11122021)		
599916.29	4136359.32	0.03685	(12121919)	599966.29
4136359.32	0.03906	(13022501)		
600066.29	4136359.32	0.04450	(12012120)	600116.29
4136359.32	0.04689	(09020123)		
600166.29	4136359.32	0.04993	(09012901)	600216.29
4136359.32	0.05205	(13010123)		
600266.29	4136359.32	0.05527	(10013003)	600316.29
4136359.32	0.05874	(09121505)		
600366.29	4136359.32	0.06027	(12011102)	600416.29
4136359.32	0.08304	(09101901)		
600466.29	4136359.32	0.11691	(09101901)	600516.29
4136359.32	0.14044	(13122620)		
600566.29	4136359.32	0.13712	(13020120)	600616.29
4136359.32	0.13711	(10010623)		
600666.29	4136359.32	0.13330	(10020324)	600716.29
4136359.32	0.12928	(11010521)		
600766.29	4136359.32	0.13597	(11120207)	600816.29
4136359.32	0.15287	(12122420)		
600866.29	4136359.32	0.12911	(12010724)	600916.29
4136359.32	0.12791	(10010420)		
600966.29	4136359.32	0.12392	(12020123)	601016.29
4136359.32	0.13031	(09022501)		
601066.29	4136359.32	0.11822	(11012620)	599866.29
4136409.32	0.03278	(12121919)		
599916.29	4136409.32	0.03452	(13022501)	600016.29
4136409.32	0.03919	(12012120)		
600066.29	4136409.32	0.04120	(09020123)	600216.29
4136409.32	0.04723	(09011908)		
600266.29	4136409.32	0.05059	(10013003)	600316.29
4136409.32	0.05258	(09121505)		
600366.29	4136409.32	0.05402	(13021506)	600416.29
4136409.32	0.07717	(09101901)		
600466.29	4136409.32	0.10569	(09101901)	600516.29
4136409.32	0.12579	(13122620)		
600566.29	4136409.32	0.12089	(13020120)	600616.29

650 N King\_Const.ADO

4136409.32 0.12528 (12121220)  
 600666.29 4136409.32 0.12919 (10020324) 600716.29  
 4136409.32 0.12591 (11120424)  
 600766.29 4136409.32 0.13336 (11120207) 600816.29  
 4136409.32 0.13123 (12122420)  
 600866.29 4136409.32 0.13384 (11122119) 600916.29  
 4136409.32 0.12288 (12010724)  
 600966.29 4136409.32 0.12928 (09012107) 601016.29  
 4136409.32 0.12147 (09121008)  
 601066.29 4136409.32 0.11681 (09022501) 599866.29  
 4136459.32 0.03081 (13022501)

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
599916.29	4136459.32	0.03290 (10010704)	599966.29
4136459.32	0.03508 (12012120)		
600016.29	4136459.32	0.03654 (09020123)	600066.29
4136459.32	0.03772 (13021203)		
600216.29	4136459.32	0.04347 (10013003)	600266.29
4136459.32	0.04581 (09121505)		
600316.29	4136459.32	0.04701 (12012201)	600366.29
4136459.32	0.04880 (13021506)		

650 N King\_Const.ADO

600416.29	4136459.32	0.07200	(09101901)	600466.29
4136459.32	0.09608	(09101901)		
600516.29	4136459.32	0.11497	(13122620)	600566.29
4136459.32	0.11118	(13122620)		
600616.29	4136459.32	0.14328	(12121220)	600666.29
4136459.32	0.13721	(10020324)		
600716.29	4136459.32	0.11422	(11120424)	600766.29
4136459.32	0.12296	(11010521)		
600816.29	4136459.32	0.13151	(11020108)	600866.29
4136459.32	0.12854	(12122420)		
600916.29	4136459.32	0.12548	(09120308)	600966.29
4136459.32	0.12506	(13012401)		
601016.29	4136459.32	0.12123	(09123020)	601066.29
4136459.32	0.11306	(09121008)		
599866.29	4136509.32	0.02939	(10010704)	599966.29
4136509.32	0.03270	(09020123)		
600016.29	4136509.32	0.03353	(13021203)	600266.29
4136509.32	0.04212	(09121505)		
600316.29	4136509.32	0.04284	(12011102)	600366.29
4136509.32	0.04414	(13021506)		
600416.29	4136509.32	0.06739	(09101901)	600466.29
4136509.32	0.08800	(09101901)		
600516.29	4136509.32	0.13022	(09022820)	600566.29
4136509.32	0.11580	(13122620)		
600616.29	4136509.32	0.13995	(13020120)	600666.29
4136509.32	0.13220	(12020321)		
600716.29	4136509.32	0.13609	(10123023)	600766.29
4136509.32	0.13341	(10010406)		
600816.29	4136509.32	0.13075	(11020108)	600866.29
4136509.32	0.12412	(12021405)		
600916.29	4136509.32	0.12009	(09012106)	600966.29
4136509.32	0.11891	(09120308)		
601016.29	4136509.32	0.11305	(13012401)	601066.29
4136509.32	0.10640	(09123020)		
599866.29	4136559.32	0.02824	(12012120)	599916.29
4136559.32	0.02954	(09020123)		
599966.29	4136559.32	0.03028	(09020123)	600016.29
4136559.32	0.03160	(09012901)		
600066.29	4136559.32	0.03305	(09012901)	600216.29
4136559.32	0.03732	(10013003)		
600266.29	4136559.32	0.03846	(09121505)	600316.29
4136559.32	0.03900	(12011102)		
600366.29	4136559.32	0.04150	(11110103)	600416.29
4136559.32	0.06333	(09101901)		
600466.29	4136559.32	0.08093	(09101901)	600516.29
4136559.32	0.09550	(13122620)		
600566.29	4136559.32	0.11495	(10022105)	600616.29
4136559.32	0.12498	(13020120)		

650 N King\_Const.ADO

600666.29	4136559.32	0.12844	(10020821)	600716.29
4136559.32	0.12659	(09120924)		
600766.29	4136559.32	0.12560	(09122524)	600816.29
4136559.32	0.12111	(10121323)		
600866.29	4136559.32	0.11909	(11020108)	600916.29
4136559.32	0.11398	(09012106)		
600966.29	4136559.32	0.11084	(09120308)	601016.29
4136559.32	0.11211	(13012401)		
601066.29	4136559.32	0.10711	(09012107)	

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43872  
 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	0.08203 AT (	600616.29, 4135759.32,
27.42,	27.42, 0.00) DC		
	2ND HIGHEST VALUE IS	0.07712 AT (	600666.29, 4135809.32,
27.88,	27.88, 0.00) DC		
	3RD HIGHEST VALUE IS	0.06157 AT (	600566.29, 4135709.32,
27.26,	27.26, 0.00) DC		
	4TH HIGHEST VALUE IS	0.05783 AT (	600666.29, 4135759.32,
28.30,	28.30, 0.00) DC		
	5TH HIGHEST VALUE IS	0.04916 AT (	600616.29, 4135709.32,
26.89,	26.89, 0.00) DC		
	6TH HIGHEST VALUE IS	0.04895 AT (	600716.29, 4135809.32,
28.18,	28.18, 0.00) DC		
	7TH HIGHEST VALUE IS	0.04467 AT (	600716.29, 4135859.32,
28.26,	28.26, 0.00) DC		
	8TH HIGHEST VALUE IS	0.04269 AT (	600716.29, 4135759.32,
27.92,	27.92, 0.00) DC		

650 N King\_Const.ADO

27.00, 9TH HIGHEST VALUE IS 0.03984 AT ( 600666.29, 4135709.32,  
27.00, 0.00) DC  
28.36, 10TH HIGHEST VALUE IS 0.03369 AT ( 600766.29, 4135809.32,  
28.36, 0.00) DC

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

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

RESULTS \*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

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

ALL HIGH 1ST HIGH VALUE IS 0.41967 ON 09120217: AT ( 600666.29,  
4135809.32, 27.88, 27.88, 0.00) DC

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

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 09:41:17

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN



\*\*\* 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                13130 Informational Message(s)  
  
A Total of                43872 Hours Were Processed  
  
A Total of                11611 Calm Hours Identified  
  
A Total of                1519 Missing Hours Identified ( 3.46 Percent)

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

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

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

650 N King ConstT4.ADI

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 10.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 8/11/2021

\*\* File: C:\Lakes\AERMOD View\650 N King ConstT4\650 N King ConstT4.ADI

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\*\* AERMOD Control Pathway

\*\*\*\*\*

\*\*

\*\*

CO STARTING

TITLEONE 650 N King Construction Mitigated

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1928000

POLLUTID PM\_2.5

RUNORNOT RUN

ERRORFIL "650 N King ConstT4.err"

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC N King - North

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.64E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600366.574, 4135848.280, 27.08, 3.11, 5.35

\*\* 600116.898, 4136156.245, 27.24, 3.11, 5.35

650 N King ConstT4.ADI

\*\* 599897.218, 4136552.602, 28.09, 3.11, 5.35

\*\*

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LOCATION	L0005517	VOLUME	600362.953	4135852.747	27.07
LOCATION	L0005518	VOLUME	600355.711	4135861.680	27.15
LOCATION	L0005519	VOLUME	600348.468	4135870.613	27.18
LOCATION	L0005520	VOLUME	600341.226	4135879.546	27.15
LOCATION	L0005521	VOLUME	600333.984	4135888.479	27.20
LOCATION	L0005522	VOLUME	600326.742	4135897.412	27.27
LOCATION	L0005523	VOLUME	600319.499	4135906.345	27.27
LOCATION	L0005524	VOLUME	600312.257	4135915.278	27.26
LOCATION	L0005525	VOLUME	600305.015	4135924.211	27.24
LOCATION	L0005526	VOLUME	600297.773	4135933.144	27.25
LOCATION	L0005527	VOLUME	600290.530	4135942.077	27.22
LOCATION	L0005528	VOLUME	600283.288	4135951.011	27.19
LOCATION	L0005529	VOLUME	600276.046	4135959.944	27.19
LOCATION	L0005530	VOLUME	600268.803	4135968.877	27.20
LOCATION	L0005531	VOLUME	600261.561	4135977.810	27.25
LOCATION	L0005532	VOLUME	600254.319	4135986.743	27.29
LOCATION	L0005533	VOLUME	600247.077	4135995.676	27.33
LOCATION	L0005534	VOLUME	600239.834	4136004.609	27.43
LOCATION	L0005535	VOLUME	600232.592	4136013.542	27.50
LOCATION	L0005536	VOLUME	600225.350	4136022.475	27.54
LOCATION	L0005537	VOLUME	600218.108	4136031.408	27.54
LOCATION	L0005538	VOLUME	600210.865	4136040.341	27.50
LOCATION	L0005539	VOLUME	600203.623	4136049.274	27.49
LOCATION	L0005540	VOLUME	600196.381	4136058.207	27.46
LOCATION	L0005541	VOLUME	600189.138	4136067.140	27.44
LOCATION	L0005542	VOLUME	600181.896	4136076.073	27.40
LOCATION	L0005543	VOLUME	600174.654	4136085.006	27.36
LOCATION	L0005544	VOLUME	600167.412	4136093.939	27.33
LOCATION	L0005545	VOLUME	600160.169	4136102.872	27.35
LOCATION	L0005546	VOLUME	600152.927	4136111.805	27.37
LOCATION	L0005547	VOLUME	600145.685	4136120.739	27.39
LOCATION	L0005548	VOLUME	600138.442	4136129.672	27.40
LOCATION	L0005549	VOLUME	600131.200	4136138.605	27.40
LOCATION	L0005550	VOLUME	600123.958	4136147.538	27.41
LOCATION	L0005551	VOLUME	600116.758	4136156.499	27.44
LOCATION	L0005552	VOLUME	600111.183	4136166.558	27.46
LOCATION	L0005553	VOLUME	600105.608	4136176.616	27.47
LOCATION	L0005554	VOLUME	600100.033	4136186.674	27.53
LOCATION	L0005555	VOLUME	600094.458	4136196.733	27.54
LOCATION	L0005556	VOLUME	600088.883	4136206.791	27.42
LOCATION	L0005557	VOLUME	600083.309	4136216.849	27.43
LOCATION	L0005558	VOLUME	600077.734	4136226.908	27.55
LOCATION	L0005559	VOLUME	600072.159	4136236.966	27.63
LOCATION	L0005560	VOLUME	600066.584	4136247.025	27.69
LOCATION	L0005561	VOLUME	600061.009	4136257.083	27.75
LOCATION	L0005562	VOLUME	600055.434	4136267.141	27.74

650 N King ConstT4.ADI

LOCATION	VOLUME			
L0005563	600049.859	4136277.200	27.71	
L0005564	600044.285	4136287.258	27.70	
L0005565	600038.710	4136297.316	27.76	
L0005566	600033.135	4136307.375	27.71	
L0005567	600027.560	4136317.433	27.57	
L0005568	600021.985	4136327.492	27.59	
L0005569	600016.410	4136337.550	27.60	
L0005570	600010.835	4136347.608	27.64	
L0005571	600005.261	4136357.667	27.68	
L0005572	599999.686	4136367.725	27.66	
L0005573	599994.111	4136377.783	27.63	
L0005574	599988.536	4136387.842	27.66	
L0005575	599982.961	4136397.900	27.60	
L0005576	599977.386	4136407.959	27.45	
L0005577	599971.811	4136418.017	27.50	
L0005578	599966.237	4136428.075	27.61	
L0005579	599960.662	4136438.134	27.64	
L0005580	599955.087	4136448.192	27.62	
L0005581	599949.512	4136458.250	27.61	
L0005582	599943.937	4136468.309	27.67	
L0005583	599938.362	4136478.367	27.93	
L0005584	599932.787	4136488.426	27.94	
L0005585	599927.212	4136498.484	27.67	
L0005586	599921.638	4136508.542	27.53	
L0005587	599916.063	4136518.601	27.65	
L0005588	599910.488	4136528.659	27.86	
L0005589	599904.913	4136538.717	28.03	
L0005590	599899.338	4136548.776	28.15	

\*\* End of LINE VOLUME Source ID = SLINE1

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC N King - South

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.46E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600372.142, 4135843.215, 27.01, 3.11, 5.35

\*\* 600883.291, 4135204.545, 27.31, 3.11, 5.35

\*\*

L0005591	600375.735	4135838.726	27.03	
L0005592	600382.920	4135829.748	27.00	
L0005593	600390.106	4135820.769	26.91	
L0005594	600397.292	4135811.791	26.88	
L0005595	600404.478	4135802.812	26.91	

650 N King ConstT4.ADI

LOCATION L0005596	VOLUME	600411.664	4135793.833	26.91
LOCATION L0005597	VOLUME	600418.850	4135784.855	26.95
LOCATION L0005598	VOLUME	600426.035	4135775.876	26.95
LOCATION L0005599	VOLUME	600433.221	4135766.898	26.95
LOCATION L0005600	VOLUME	600440.407	4135757.919	26.89
LOCATION L0005601	VOLUME	600447.593	4135748.941	26.86
LOCATION L0005602	VOLUME	600454.779	4135739.962	26.81
LOCATION L0005603	VOLUME	600461.965	4135730.984	26.79
LOCATION L0005604	VOLUME	600469.150	4135722.005	26.79
LOCATION L0005605	VOLUME	600476.336	4135713.027	26.80
LOCATION L0005606	VOLUME	600483.522	4135704.048	26.80
LOCATION L0005607	VOLUME	600490.708	4135695.070	26.83
LOCATION L0005608	VOLUME	600497.894	4135686.091	26.86
LOCATION L0005609	VOLUME	600505.079	4135677.113	26.83
LOCATION L0005610	VOLUME	600512.265	4135668.134	26.81
LOCATION L0005611	VOLUME	600519.451	4135659.156	26.87
LOCATION L0005612	VOLUME	600526.637	4135650.177	26.91
LOCATION L0005613	VOLUME	600533.823	4135641.199	26.87
LOCATION L0005614	VOLUME	600541.009	4135632.220	26.84
LOCATION L0005615	VOLUME	600548.194	4135623.241	26.84
LOCATION L0005616	VOLUME	600555.380	4135614.263	26.79
LOCATION L0005617	VOLUME	600562.566	4135605.284	26.78
LOCATION L0005618	VOLUME	600569.752	4135596.306	26.84
LOCATION L0005619	VOLUME	600576.938	4135587.327	26.92
LOCATION L0005620	VOLUME	600584.123	4135578.349	26.92
LOCATION L0005621	VOLUME	600591.309	4135569.370	26.97
LOCATION L0005622	VOLUME	600598.495	4135560.392	27.07
LOCATION L0005623	VOLUME	600605.681	4135551.413	27.11
LOCATION L0005624	VOLUME	600612.867	4135542.435	27.09
LOCATION L0005625	VOLUME	600620.053	4135533.456	27.11
LOCATION L0005626	VOLUME	600627.238	4135524.478	27.08
LOCATION L0005627	VOLUME	600634.424	4135515.499	27.00
LOCATION L0005628	VOLUME	600641.610	4135506.521	27.02
LOCATION L0005629	VOLUME	600648.796	4135497.542	27.12
LOCATION L0005630	VOLUME	600655.982	4135488.564	27.13
LOCATION L0005631	VOLUME	600663.168	4135479.585	27.14
LOCATION L0005632	VOLUME	600670.353	4135470.606	27.15
LOCATION L0005633	VOLUME	600677.539	4135461.628	27.11
LOCATION L0005634	VOLUME	600684.725	4135452.649	26.63
LOCATION L0005635	VOLUME	600691.911	4135443.671	26.86
LOCATION L0005636	VOLUME	600699.097	4135434.692	27.29
LOCATION L0005637	VOLUME	600706.282	4135425.714	27.22
LOCATION L0005638	VOLUME	600713.468	4135416.735	27.20
LOCATION L0005639	VOLUME	600720.654	4135407.757	27.33
LOCATION L0005640	VOLUME	600727.840	4135398.778	27.30
LOCATION L0005641	VOLUME	600735.026	4135389.800	27.17
LOCATION L0005642	VOLUME	600742.212	4135380.821	27.16
LOCATION L0005643	VOLUME	600749.397	4135371.843	27.19

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LOCATION	VOLUME				
L0005644	600756.583	4135362.864	26.84		
L0005645	600763.769	4135353.886	26.85		
L0005646	600770.955	4135344.907	27.30		
L0005647	600778.141	4135335.929	27.16		
L0005648	600785.326	4135326.950	26.99		
L0005649	600792.512	4135317.971	27.12		
L0005650	600799.698	4135308.993	27.21		
L0005651	600806.884	4135300.014	26.95		
L0005652	600814.070	4135291.036	27.04		
L0005653	600821.256	4135282.057	27.45		
L0005654	600828.441	4135273.079	26.98		
L0005655	600835.627	4135264.100	26.76		
L0005656	600842.813	4135255.122	27.25		
L0005657	600849.999	4135246.143	27.37		
L0005658	600857.185	4135237.165	26.72		
L0005659	600864.371	4135228.186	26.82		
L0005660	600871.556	4135219.208	27.53		
L0005661	600878.742	4135210.229	27.58		

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Las Plumas

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.12E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600656.983, 4135833.714, 27.74, 3.11, 5.35

\*\* 600502.982, 4135698.609, 26.89, 3.11, 5.35

\*\*

L0005662	600652.661	4135829.922	27.68		
L0005663	600644.016	4135822.338	27.59		
L0005664	600635.372	4135814.754	27.50		
L0005665	600626.727	4135807.170	27.41		
L0005666	600618.082	4135799.586	27.35		
L0005667	600609.437	4135792.002	27.30		
L0005668	600600.792	4135784.418	27.19		
L0005669	600592.148	4135776.834	27.04		
L0005670	600583.503	4135769.250	26.95		
L0005671	600574.858	4135761.666	26.92		
L0005672	600566.213	4135754.082	26.82		
L0005673	600557.569	4135746.498	26.78		
L0005674	600548.924	4135738.914	26.76		
L0005675	600540.279	4135731.330	26.85		
L0005676	600531.634	4135723.745	26.91		

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LOCATION L0005677      VOLUME    600522.990 4135716.161 26.91  
LOCATION L0005678      VOLUME    600514.345 4135708.577 26.90  
LOCATION L0005679      VOLUME    600505.700 4135700.993 26.88

\*\* End of LINE VOLUME Source ID = SLINE3

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC McKee

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.21E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 4

\*\* 600888.611, 4135200.187, 27.59, 3.11, 5.35

\*\* 600621.837, 4134972.644, 26.99, 3.11, 5.35

\*\* 600504.142, 4134871.950, 30.43, 3.11, 5.35

\*\* 600451.834, 4134807.872, 33.21, 3.11, 5.35

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LOCATION L0005680      VOLUME    600884.237 4135196.456 27.58  
LOCATION L0005681      VOLUME    600875.487 4135188.993 27.58  
LOCATION L0005682      VOLUME    600866.737 4135181.530 27.53  
LOCATION L0005683      VOLUME    600857.988 4135174.067 27.44  
LOCATION L0005684      VOLUME    600849.238 4135166.604 27.38  
LOCATION L0005685      VOLUME    600840.489 4135159.141 27.32  
LOCATION L0005686      VOLUME    600831.739 4135151.678 27.22  
LOCATION L0005687      VOLUME    600822.990 4135144.215 27.12  
LOCATION L0005688      VOLUME    600814.240 4135136.753 27.14  
LOCATION L0005689      VOLUME    600805.490 4135129.290 27.19  
LOCATION L0005690      VOLUME    600796.741 4135121.827 27.21  
LOCATION L0005691      VOLUME    600787.991 4135114.364 27.12  
LOCATION L0005692      VOLUME    600779.242 4135106.901 27.10  
LOCATION L0005693      VOLUME    600770.492 4135099.438 27.12  
LOCATION L0005694      VOLUME    600761.742 4135091.975 27.05  
LOCATION L0005695      VOLUME    600752.993 4135084.512 26.93  
LOCATION L0005696      VOLUME    600744.243 4135077.049 26.87  
LOCATION L0005697      VOLUME    600735.494 4135069.587 26.87  
LOCATION L0005698      VOLUME    600726.744 4135062.124 26.88  
LOCATION L0005699      VOLUME    600717.994 4135054.661 26.96  
LOCATION L0005700      VOLUME    600709.245 4135047.198 27.00  
LOCATION L0005701      VOLUME    600700.495 4135039.735 27.00  
LOCATION L0005702      VOLUME    600691.746 4135032.272 26.98  
LOCATION L0005703      VOLUME    600682.996 4135024.809 26.91  
LOCATION L0005704      VOLUME    600674.246 4135017.346 26.84  
LOCATION L0005705      VOLUME    600665.497 4135009.883 26.86  
LOCATION L0005706      VOLUME    600656.747 4135002.421 26.91  
LOCATION L0005707      VOLUME    600647.998 4134994.958 26.89

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LOCATION L0005708	VOLUME	600639.248	4134987.495	26.83
LOCATION L0005709	VOLUME	600630.499	4134980.032	26.83
LOCATION L0005710	VOLUME	600621.749	4134972.569	26.96
LOCATION L0005711	VOLUME	600613.011	4134965.093	27.08
LOCATION L0005712	VOLUME	600604.272	4134957.617	27.04
LOCATION L0005713	VOLUME	600595.534	4134950.141	26.98
LOCATION L0005714	VOLUME	600586.796	4134942.664	26.92
LOCATION L0005715	VOLUME	600578.058	4134935.188	26.88
LOCATION L0005716	VOLUME	600569.319	4134927.712	27.00
LOCATION L0005717	VOLUME	600560.581	4134920.236	27.33
LOCATION L0005718	VOLUME	600551.843	4134912.760	27.80
LOCATION L0005719	VOLUME	600543.104	4134905.284	28.29
LOCATION L0005720	VOLUME	600534.366	4134897.808	28.60
LOCATION L0005721	VOLUME	600525.628	4134890.332	28.85
LOCATION L0005722	VOLUME	600516.889	4134882.856	29.25
LOCATION L0005723	VOLUME	600508.151	4134875.380	30.21
LOCATION L0005724	VOLUME	600500.206	4134867.128	30.52
LOCATION L0005725	VOLUME	600492.934	4134858.220	30.97
LOCATION L0005726	VOLUME	600485.662	4134849.311	31.83
LOCATION L0005727	VOLUME	600478.389	4134840.402	32.64
LOCATION L0005728	VOLUME	600471.117	4134831.494	32.86
LOCATION L0005729	VOLUME	600463.845	4134822.585	33.27
LOCATION L0005730	VOLUME	600456.572	4134813.677	33.78

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Onsite

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.000193

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 14

** 600621.810,	4135848.940,	28.17,	3.11,	5.35
** 600495.837,	4135727.205,	27.12,	3.11,	5.35
** 600475.346,	4135749.443,	26.94,	3.11,	5.35
** 600606.227,	4135865.984,	28.33,	3.11,	5.35
** 600584.499,	4135889.295,	28.08,	3.11,	5.35
** 600459.252,	4135767.483,	27.13,	3.11,	5.35
** 600441.580,	4135791.759,	27.02,	3.11,	5.35
** 600573.283,	4135904.781,	27.52,	3.11,	5.35
** 600557.351,	4135924.866,	27.74,	3.11,	5.35
** 600423.825,	4135811.946,	27.28,	3.11,	5.35
** 600404.048,	4135833.441,	27.14,	3.11,	5.35
** 600540.873,	4135937.348,	27.72,	3.11,	5.35
** 600529.074,	4135959.659,	28.05,	3.11,	5.35



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\*\* 600386.372, 4135849.089, 27.07, 3.11, 5.35

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LOCATION L0005731      VOLUME  600617.675 4135844.944 28.00
LOCATION L0005732      VOLUME  600609.406 4135836.953 27.59
LOCATION L0005733      VOLUME  600601.136 4135828.961 27.30
LOCATION L0005734      VOLUME  600592.866 4135820.970 27.21
LOCATION L0005735      VOLUME  600584.597 4135812.979 27.15
LOCATION L0005736      VOLUME  600576.327 4135804.987 27.06
LOCATION L0005737      VOLUME  600568.057 4135796.996 26.95
LOCATION L0005738      VOLUME  600559.788 4135789.004 26.89
LOCATION L0005739      VOLUME  600551.518 4135781.013 26.81
LOCATION L0005740      VOLUME  600543.248 4135773.021 26.71
LOCATION L0005741      VOLUME  600534.979 4135765.030 26.72
LOCATION L0005742      VOLUME  600526.709 4135757.038 26.77
LOCATION L0005743      VOLUME  600518.440 4135749.047 26.83
LOCATION L0005744      VOLUME  600510.170 4135741.056 26.99
LOCATION L0005745      VOLUME  600501.900 4135733.064 27.09
LOCATION L0005746      VOLUME  600493.758 4135729.462 27.13
LOCATION L0005747      VOLUME  600485.965 4135737.919 27.11
LOCATION L0005748      VOLUME  600478.172 4135746.376 27.08
LOCATION L0005749      VOLUME  600480.820 4135754.317 27.16
LOCATION L0005750      VOLUME  600489.409 4135761.965 27.28
LOCATION L0005751      VOLUME  600497.997 4135769.613 27.27
LOCATION L0005752      VOLUME  600506.586 4135777.260 27.09
LOCATION L0005753      VOLUME  600515.175 4135784.908 26.98
LOCATION L0005754      VOLUME  600523.763 4135792.555 26.95
LOCATION L0005755      VOLUME  600532.352 4135800.203 26.98
LOCATION L0005756      VOLUME  600540.940 4135807.851 27.01
LOCATION L0005757      VOLUME  600549.529 4135815.498 27.08
LOCATION L0005758      VOLUME  600558.118 4135823.146 27.17
LOCATION L0005759      VOLUME  600566.706 4135830.794 27.25
LOCATION L0005760      VOLUME  600575.295 4135838.441 27.29
LOCATION L0005761      VOLUME  600583.883 4135846.089 27.45
LOCATION L0005762      VOLUME  600592.472 4135853.736 27.73
LOCATION L0005763      VOLUME  600601.061 4135861.384 28.17
LOCATION L0005764      VOLUME  600603.102 4135869.336 28.25
LOCATION L0005765      VOLUME  600595.261 4135877.749 28.12
LOCATION L0005766      VOLUME  600587.420 4135886.161 28.02
LOCATION L0005767      VOLUME  600579.326 4135884.265 27.72
LOCATION L0005768      VOLUME  600571.082 4135876.247 27.39
LOCATION L0005769      VOLUME  600562.838 4135868.229 27.23
LOCATION L0005770      VOLUME  600554.594 4135860.211 27.22
LOCATION L0005771      VOLUME  600546.351 4135852.193 27.23
LOCATION L0005772      VOLUME  600538.107 4135844.175 27.24
LOCATION L0005773      VOLUME  600529.863 4135836.157 27.26
LOCATION L0005774      VOLUME  600521.619 4135828.139 27.25
LOCATION L0005775      VOLUME  600513.375 4135820.121 27.23
LOCATION L0005776      VOLUME  600505.131 4135812.103 27.24

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LOCATION L0005777	VOLUME	600496.887	4135804.086	27.27
LOCATION L0005778	VOLUME	600488.643	4135796.068	27.28
LOCATION L0005779	VOLUME	600480.399	4135788.050	27.27
LOCATION L0005780	VOLUME	600472.155	4135780.032	27.24
LOCATION L0005781	VOLUME	600463.911	4135772.014	27.16
LOCATION L0005782	VOLUME	600456.309	4135771.526	27.11
LOCATION L0005783	VOLUME	600449.541	4135780.824	27.06
LOCATION L0005784	VOLUME	600442.772	4135790.121	27.01
LOCATION L0005785	VOLUME	600448.770	4135797.929	27.04
LOCATION L0005786	VOLUME	600457.497	4135805.418	27.26
LOCATION L0005787	VOLUME	600466.224	4135812.907	27.41
LOCATION L0005788	VOLUME	600474.951	4135820.397	27.45
LOCATION L0005789	VOLUME	600483.678	4135827.886	27.46
LOCATION L0005790	VOLUME	600492.405	4135835.375	27.43
LOCATION L0005791	VOLUME	600501.132	4135842.864	27.40
LOCATION L0005792	VOLUME	600509.859	4135850.353	27.38
LOCATION L0005793	VOLUME	600518.586	4135857.843	27.37
LOCATION L0005794	VOLUME	600527.313	4135865.332	27.32
LOCATION L0005795	VOLUME	600536.040	4135872.821	27.24
LOCATION L0005796	VOLUME	600544.767	4135880.310	27.16
LOCATION L0005797	VOLUME	600553.494	4135887.800	27.20
LOCATION L0005798	VOLUME	600562.221	4135895.289	27.33
LOCATION L0005799	VOLUME	600570.948	4135902.778	27.61
LOCATION L0005800	VOLUME	600568.048	4135911.381	27.62
LOCATION L0005801	VOLUME	600560.901	4135920.390	27.62
LOCATION L0005802	VOLUME	600552.932	4135921.129	27.51
LOCATION L0005803	VOLUME	600544.151	4135913.703	27.31
LOCATION L0005804	VOLUME	600535.370	4135906.277	27.26
LOCATION L0005805	VOLUME	600526.589	4135898.851	27.29
LOCATION L0005806	VOLUME	600517.808	4135891.425	27.38
LOCATION L0005807	VOLUME	600509.027	4135884.000	27.44
LOCATION L0005808	VOLUME	600500.246	4135876.574	27.49
LOCATION L0005809	VOLUME	600491.465	4135869.148	27.52
LOCATION L0005810	VOLUME	600482.684	4135861.722	27.52
LOCATION L0005811	VOLUME	600473.903	4135854.296	27.54
LOCATION L0005812	VOLUME	600465.122	4135846.870	27.58
LOCATION L0005813	VOLUME	600456.341	4135839.444	27.65
LOCATION L0005814	VOLUME	600447.560	4135832.018	27.75
LOCATION L0005815	VOLUME	600438.779	4135824.592	27.65
LOCATION L0005816	VOLUME	600429.998	4135817.166	27.45
LOCATION L0005817	VOLUME	600421.512	4135814.459	27.38
LOCATION L0005818	VOLUME	600413.726	4135822.922	27.38
LOCATION L0005819	VOLUME	600405.940	4135831.385	27.26
LOCATION L0005820	VOLUME	600410.981	4135838.706	27.34
LOCATION L0005821	VOLUME	600420.140	4135845.661	27.47
LOCATION L0005822	VOLUME	600429.298	4135852.616	27.49
LOCATION L0005823	VOLUME	600438.457	4135859.571	27.52
LOCATION L0005824	VOLUME	600447.615	4135866.526	27.58

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LOCATION L0005825	VOLUME	600456.773	4135873.481	27.58
LOCATION L0005826	VOLUME	600465.932	4135880.437	27.60
LOCATION L0005827	VOLUME	600475.090	4135887.392	27.60
LOCATION L0005828	VOLUME	600484.249	4135894.347	27.59
LOCATION L0005829	VOLUME	600493.407	4135901.302	27.58
LOCATION L0005830	VOLUME	600502.566	4135908.257	27.50
LOCATION L0005831	VOLUME	600511.724	4135915.212	27.41
LOCATION L0005832	VOLUME	600520.882	4135922.167	27.34
LOCATION L0005833	VOLUME	600530.041	4135929.122	27.51
LOCATION L0005834	VOLUME	600539.199	4135936.077	27.75
LOCATION L0005835	VOLUME	600536.479	4135945.656	27.98
LOCATION L0005836	VOLUME	600531.103	4135955.822	28.10
LOCATION L0005837	VOLUME	600523.414	4135955.274	27.97
LOCATION L0005838	VOLUME	600514.324	4135948.230	27.75
LOCATION L0005839	VOLUME	600505.233	4135941.187	27.66
LOCATION L0005840	VOLUME	600496.143	4135934.143	27.63
LOCATION L0005841	VOLUME	600487.052	4135927.100	27.59
LOCATION L0005842	VOLUME	600477.962	4135920.056	27.50
LOCATION L0005843	VOLUME	600468.871	4135913.012	27.49
LOCATION L0005844	VOLUME	600459.781	4135905.969	27.57
LOCATION L0005845	VOLUME	600450.690	4135898.925	27.60
LOCATION L0005846	VOLUME	600441.600	4135891.881	27.58
LOCATION L0005847	VOLUME	600432.509	4135884.838	27.55
LOCATION L0005848	VOLUME	600423.419	4135877.794	27.48
LOCATION L0005849	VOLUME	600414.328	4135870.750	27.39
LOCATION L0005850	VOLUME	600405.238	4135863.707	27.23
LOCATION L0005851	VOLUME	600396.147	4135856.663	27.04
LOCATION L0005852	VOLUME	600387.057	4135849.620	27.04

\*\* End of LINE VOLUME Source ID = SLINE5

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0005517	0.000000627	3.11	5.35	2.89
SRCPARAM L0005518	0.000000627	3.11	5.35	2.89
SRCPARAM L0005519	0.000000627	3.11	5.35	2.89
SRCPARAM L0005520	0.000000627	3.11	5.35	2.89
SRCPARAM L0005521	0.000000627	3.11	5.35	2.89
SRCPARAM L0005522	0.000000627	3.11	5.35	2.89
SRCPARAM L0005523	0.000000627	3.11	5.35	2.89
SRCPARAM L0005524	0.000000627	3.11	5.35	2.89
SRCPARAM L0005525	0.000000627	3.11	5.35	2.89
SRCPARAM L0005526	0.000000627	3.11	5.35	2.89
SRCPARAM L0005527	0.000000627	3.11	5.35	2.89
SRCPARAM L0005528	0.000000627	3.11	5.35	2.89
SRCPARAM L0005529	0.000000627	3.11	5.35	2.89
SRCPARAM L0005530	0.000000627	3.11	5.35	2.89
SRCPARAM L0005531	0.000000627	3.11	5.35	2.89
SRCPARAM L0005532	0.000000627	3.11	5.35	2.89
SRCPARAM L0005533	0.000000627	3.11	5.35	2.89



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SRCPARAM L0005582	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005583	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005584	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005585	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005586	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005587	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005588	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005589	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005590	0.0000000627	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM L0005591	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005592	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005593	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005594	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005595	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005596	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005597	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005598	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005599	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005600	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005601	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005602	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005603	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005604	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005605	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005606	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005607	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005608	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005609	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005610	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005611	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005612	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005613	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005614	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005615	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005616	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005617	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005618	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005619	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005620	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005621	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005622	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005623	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005624	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005625	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005626	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005627	0.00000006282	3.11	5.35	2.89

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SRCPARAM L0005628	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005629	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005630	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005631	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005632	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005633	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005634	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005635	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005636	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005637	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005638	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005639	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005640	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005641	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005642	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005643	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005644	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005645	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005646	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005647	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005648	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005649	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005650	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005651	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005652	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005653	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005654	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005655	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005656	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005657	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005658	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005659	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005660	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005661	0.00000006282	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM L0005662	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005663	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005664	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005665	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005666	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005667	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005668	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005669	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005670	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005671	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005672	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005673	0.00000006222	3.11	5.35	2.89

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SRCPARAM L0005674	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005675	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005676	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005677	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005678	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005679	0.00000006222	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM L0005680	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005681	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005682	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005683	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005684	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005685	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005686	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005687	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005688	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005689	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005690	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005691	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005692	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005693	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005694	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005695	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005696	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005697	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005698	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005699	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005700	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005701	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005702	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005703	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005704	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005705	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005706	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005707	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005708	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005709	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005710	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005711	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005712	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005713	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005714	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005715	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005716	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005717	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005718	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005719	0.00000006294	3.11	5.35	2.89

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SRCPARAM	L0005720	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005721	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005722	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005723	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005724	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005725	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005726	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005727	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005728	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005729	0.00000006294	3.11	5.35	2.89
SRCPARAM	L0005730	0.00000006294	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM	L0005731	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005732	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005733	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005734	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005735	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005736	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005737	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005738	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005739	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005740	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005741	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005742	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005743	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005744	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005745	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005746	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005747	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005748	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005749	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005750	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005751	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005752	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005753	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005754	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005755	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005756	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005757	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005758	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005759	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005760	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005761	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005762	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005763	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005764	0.000001582	3.11	5.35	2.89
SRCPARAM	L0005765	0.000001582	3.11	5.35	2.89



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SRCPARAM L0005766	0.000001582	3.11	5.35	2.89
SRCPARAM L0005767	0.000001582	3.11	5.35	2.89
SRCPARAM L0005768	0.000001582	3.11	5.35	2.89
SRCPARAM L0005769	0.000001582	3.11	5.35	2.89
SRCPARAM L0005770	0.000001582	3.11	5.35	2.89
SRCPARAM L0005771	0.000001582	3.11	5.35	2.89
SRCPARAM L0005772	0.000001582	3.11	5.35	2.89
SRCPARAM L0005773	0.000001582	3.11	5.35	2.89
SRCPARAM L0005774	0.000001582	3.11	5.35	2.89
SRCPARAM L0005775	0.000001582	3.11	5.35	2.89
SRCPARAM L0005776	0.000001582	3.11	5.35	2.89
SRCPARAM L0005777	0.000001582	3.11	5.35	2.89
SRCPARAM L0005778	0.000001582	3.11	5.35	2.89
SRCPARAM L0005779	0.000001582	3.11	5.35	2.89
SRCPARAM L0005780	0.000001582	3.11	5.35	2.89
SRCPARAM L0005781	0.000001582	3.11	5.35	2.89
SRCPARAM L0005782	0.000001582	3.11	5.35	2.89
SRCPARAM L0005783	0.000001582	3.11	5.35	2.89
SRCPARAM L0005784	0.000001582	3.11	5.35	2.89
SRCPARAM L0005785	0.000001582	3.11	5.35	2.89
SRCPARAM L0005786	0.000001582	3.11	5.35	2.89
SRCPARAM L0005787	0.000001582	3.11	5.35	2.89
SRCPARAM L0005788	0.000001582	3.11	5.35	2.89
SRCPARAM L0005789	0.000001582	3.11	5.35	2.89
SRCPARAM L0005790	0.000001582	3.11	5.35	2.89
SRCPARAM L0005791	0.000001582	3.11	5.35	2.89
SRCPARAM L0005792	0.000001582	3.11	5.35	2.89
SRCPARAM L0005793	0.000001582	3.11	5.35	2.89
SRCPARAM L0005794	0.000001582	3.11	5.35	2.89
SRCPARAM L0005795	0.000001582	3.11	5.35	2.89
SRCPARAM L0005796	0.000001582	3.11	5.35	2.89
SRCPARAM L0005797	0.000001582	3.11	5.35	2.89
SRCPARAM L0005798	0.000001582	3.11	5.35	2.89
SRCPARAM L0005799	0.000001582	3.11	5.35	2.89
SRCPARAM L0005800	0.000001582	3.11	5.35	2.89
SRCPARAM L0005801	0.000001582	3.11	5.35	2.89
SRCPARAM L0005802	0.000001582	3.11	5.35	2.89
SRCPARAM L0005803	0.000001582	3.11	5.35	2.89
SRCPARAM L0005804	0.000001582	3.11	5.35	2.89
SRCPARAM L0005805	0.000001582	3.11	5.35	2.89
SRCPARAM L0005806	0.000001582	3.11	5.35	2.89
SRCPARAM L0005807	0.000001582	3.11	5.35	2.89
SRCPARAM L0005808	0.000001582	3.11	5.35	2.89
SRCPARAM L0005809	0.000001582	3.11	5.35	2.89
SRCPARAM L0005810	0.000001582	3.11	5.35	2.89
SRCPARAM L0005811	0.000001582	3.11	5.35	2.89
SRCPARAM L0005812	0.000001582	3.11	5.35	2.89
SRCPARAM L0005813	0.000001582	3.11	5.35	2.89

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SRCPARAM L0005814	0.000001582	3.11	5.35	2.89
SRCPARAM L0005815	0.000001582	3.11	5.35	2.89
SRCPARAM L0005816	0.000001582	3.11	5.35	2.89
SRCPARAM L0005817	0.000001582	3.11	5.35	2.89
SRCPARAM L0005818	0.000001582	3.11	5.35	2.89
SRCPARAM L0005819	0.000001582	3.11	5.35	2.89
SRCPARAM L0005820	0.000001582	3.11	5.35	2.89
SRCPARAM L0005821	0.000001582	3.11	5.35	2.89
SRCPARAM L0005822	0.000001582	3.11	5.35	2.89
SRCPARAM L0005823	0.000001582	3.11	5.35	2.89
SRCPARAM L0005824	0.000001582	3.11	5.35	2.89
SRCPARAM L0005825	0.000001582	3.11	5.35	2.89
SRCPARAM L0005826	0.000001582	3.11	5.35	2.89
SRCPARAM L0005827	0.000001582	3.11	5.35	2.89
SRCPARAM L0005828	0.000001582	3.11	5.35	2.89
SRCPARAM L0005829	0.000001582	3.11	5.35	2.89
SRCPARAM L0005830	0.000001582	3.11	5.35	2.89
SRCPARAM L0005831	0.000001582	3.11	5.35	2.89
SRCPARAM L0005832	0.000001582	3.11	5.35	2.89
SRCPARAM L0005833	0.000001582	3.11	5.35	2.89
SRCPARAM L0005834	0.000001582	3.11	5.35	2.89
SRCPARAM L0005835	0.000001582	3.11	5.35	2.89
SRCPARAM L0005836	0.000001582	3.11	5.35	2.89
SRCPARAM L0005837	0.000001582	3.11	5.35	2.89
SRCPARAM L0005838	0.000001582	3.11	5.35	2.89
SRCPARAM L0005839	0.000001582	3.11	5.35	2.89
SRCPARAM L0005840	0.000001582	3.11	5.35	2.89
SRCPARAM L0005841	0.000001582	3.11	5.35	2.89
SRCPARAM L0005842	0.000001582	3.11	5.35	2.89
SRCPARAM L0005843	0.000001582	3.11	5.35	2.89
SRCPARAM L0005844	0.000001582	3.11	5.35	2.89
SRCPARAM L0005845	0.000001582	3.11	5.35	2.89
SRCPARAM L0005846	0.000001582	3.11	5.35	2.89
SRCPARAM L0005847	0.000001582	3.11	5.35	2.89
SRCPARAM L0005848	0.000001582	3.11	5.35	2.89
SRCPARAM L0005849	0.000001582	3.11	5.35	2.89
SRCPARAM L0005850	0.000001582	3.11	5.35	2.89
SRCPARAM L0005851	0.000001582	3.11	5.35	2.89
SRCPARAM L0005852	0.000001582	3.11	5.35	2.89

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URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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650 N King ConstT4.ADI

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RE STARTING  
INCLUDED "650 N King ConstT4.rou"  
RE FINISHED

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\*\* AERMOD Meteorology Pathway  
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ME STARTING  
\*\* Surface File Path: C:\Lakes\AERMOD View\650 N King ConstT4\  
SURFFILE 724945.SFC  
\*\* Profile File Path: C:\Lakes\AERMOD View\650 N King ConstT4\  
PROFFILE 724945.PFL  
SURFDATA 23293 2009  
UAIRDATA 23230 2009 OAKLAND/WSO\_AP  
PROFBASE 15.5 METERS

ME FINISHED

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\*\* AERMOD Output Pathway  
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OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD View\650 N King ConstT4\650 N KING  
CONSTT4.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\650 N King ConstT4\650 N KING  
CONSTT4.AD\PE00GALL.PLT" 32  
SUMMFILE "C:\Lakes\AERMOD View\650 N King ConstT4\650 N King ConstT4.sum"

OU FINISHED

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\*\* Project Parameters  
\*\*\*\*\*

\*\* PROJCTN CoordinateSystemUTM  
\*\* DESCPTN UTM: Universal Transverse Mercator  
\*\* DATUM World Geodetic System 1984  
\*\* DTMRGN Global Definition  
\*\* UNITS m  
\*\* ZONE 10  
\*\* ZONEINX 0

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650 N King ConstT4.ADO

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 10.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 8/11/2021

\*\* File: C:\Lakes\AERMOD View\650 N King ConstT4\650 N King ConstT4.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE 650 N King Construction Mitigated

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1928000

POLLUTID PM\_2.5

RUNORNOT RUN

ERRORFIL "650 N King ConstT4.err"

CO FINISHED

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\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC N King - North

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.64E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600366.574, 4135848.280, 27.08, 3.11, 5.35

\*\* 600116.898, 4136156.245, 27.24, 3.11, 5.35

650 N King ConstT4.ADO

\*\* 599897.218, 4136552.602, 28.09, 3.11, 5.35

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LOCATION L0005517      VOLUME  600362.953 4135852.747 27.07
LOCATION L0005518      VOLUME  600355.711 4135861.680 27.15
LOCATION L0005519      VOLUME  600348.468 4135870.613 27.18
LOCATION L0005520      VOLUME  600341.226 4135879.546 27.15
LOCATION L0005521      VOLUME  600333.984 4135888.479 27.20
LOCATION L0005522      VOLUME  600326.742 4135897.412 27.27
LOCATION L0005523      VOLUME  600319.499 4135906.345 27.27
LOCATION L0005524      VOLUME  600312.257 4135915.278 27.26
LOCATION L0005525      VOLUME  600305.015 4135924.211 27.24
LOCATION L0005526      VOLUME  600297.773 4135933.144 27.25
LOCATION L0005527      VOLUME  600290.530 4135942.077 27.22
LOCATION L0005528      VOLUME  600283.288 4135951.011 27.19
LOCATION L0005529      VOLUME  600276.046 4135959.944 27.19
LOCATION L0005530      VOLUME  600268.803 4135968.877 27.20
LOCATION L0005531      VOLUME  600261.561 4135977.810 27.25
LOCATION L0005532      VOLUME  600254.319 4135986.743 27.29
LOCATION L0005533      VOLUME  600247.077 4135995.676 27.33
LOCATION L0005534      VOLUME  600239.834 4136004.609 27.43
LOCATION L0005535      VOLUME  600232.592 4136013.542 27.50
LOCATION L0005536      VOLUME  600225.350 4136022.475 27.54
LOCATION L0005537      VOLUME  600218.108 4136031.408 27.54
LOCATION L0005538      VOLUME  600210.865 4136040.341 27.50
LOCATION L0005539      VOLUME  600203.623 4136049.274 27.49
LOCATION L0005540      VOLUME  600196.381 4136058.207 27.46
LOCATION L0005541      VOLUME  600189.138 4136067.140 27.44
LOCATION L0005542      VOLUME  600181.896 4136076.073 27.40
LOCATION L0005543      VOLUME  600174.654 4136085.006 27.36
LOCATION L0005544      VOLUME  600167.412 4136093.939 27.33
LOCATION L0005545      VOLUME  600160.169 4136102.872 27.35
LOCATION L0005546      VOLUME  600152.927 4136111.805 27.37
LOCATION L0005547      VOLUME  600145.685 4136120.739 27.39
LOCATION L0005548      VOLUME  600138.442 4136129.672 27.40
LOCATION L0005549      VOLUME  600131.200 4136138.605 27.40
LOCATION L0005550      VOLUME  600123.958 4136147.538 27.41
LOCATION L0005551      VOLUME  600116.758 4136156.499 27.44
LOCATION L0005552      VOLUME  600111.183 4136166.558 27.46
LOCATION L0005553      VOLUME  600105.608 4136176.616 27.47
LOCATION L0005554      VOLUME  600100.033 4136186.674 27.53
LOCATION L0005555      VOLUME  600094.458 4136196.733 27.54
LOCATION L0005556      VOLUME  600088.883 4136206.791 27.42
LOCATION L0005557      VOLUME  600083.309 4136216.849 27.43
LOCATION L0005558      VOLUME  600077.734 4136226.908 27.55
LOCATION L0005559      VOLUME  600072.159 4136236.966 27.63
LOCATION L0005560      VOLUME  600066.584 4136247.025 27.69
LOCATION L0005561      VOLUME  600061.009 4136257.083 27.75
LOCATION L0005562      VOLUME  600055.434 4136267.141 27.74

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650 N King ConstT4.ADO

LOCATION	VOLUME			
L0005563	600049.859	4136277.200	27.71	
L0005564	600044.285	4136287.258	27.70	
L0005565	600038.710	4136297.316	27.76	
L0005566	600033.135	4136307.375	27.71	
L0005567	600027.560	4136317.433	27.57	
L0005568	600021.985	4136327.492	27.59	
L0005569	600016.410	4136337.550	27.60	
L0005570	600010.835	4136347.608	27.64	
L0005571	600005.261	4136357.667	27.68	
L0005572	599999.686	4136367.725	27.66	
L0005573	599994.111	4136377.783	27.63	
L0005574	599988.536	4136387.842	27.66	
L0005575	599982.961	4136397.900	27.60	
L0005576	599977.386	4136407.959	27.45	
L0005577	599971.811	4136418.017	27.50	
L0005578	599966.237	4136428.075	27.61	
L0005579	599960.662	4136438.134	27.64	
L0005580	599955.087	4136448.192	27.62	
L0005581	599949.512	4136458.250	27.61	
L0005582	599943.937	4136468.309	27.67	
L0005583	599938.362	4136478.367	27.93	
L0005584	599932.787	4136488.426	27.94	
L0005585	599927.212	4136498.484	27.67	
L0005586	599921.638	4136508.542	27.53	
L0005587	599916.063	4136518.601	27.65	
L0005588	599910.488	4136528.659	27.86	
L0005589	599904.913	4136538.717	28.03	
L0005590	599899.338	4136548.776	28.15	

\*\* End of LINE VOLUME Source ID = SLINE1

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC N King - South

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.46E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600372.142, 4135843.215, 27.01, 3.11, 5.35

\*\* 600883.291, 4135204.545, 27.31, 3.11, 5.35

\*\*

L0005591	600375.735	4135838.726	27.03	
L0005592	600382.920	4135829.748	27.00	
L0005593	600390.106	4135820.769	26.91	
L0005594	600397.292	4135811.791	26.88	
L0005595	600404.478	4135802.812	26.91	

650 N King ConstT4.ADO

LOCATION L0005596	VOLUME	600411.664	4135793.833	26.91
LOCATION L0005597	VOLUME	600418.850	4135784.855	26.95
LOCATION L0005598	VOLUME	600426.035	4135775.876	26.95
LOCATION L0005599	VOLUME	600433.221	4135766.898	26.95
LOCATION L0005600	VOLUME	600440.407	4135757.919	26.89
LOCATION L0005601	VOLUME	600447.593	4135748.941	26.86
LOCATION L0005602	VOLUME	600454.779	4135739.962	26.81
LOCATION L0005603	VOLUME	600461.965	4135730.984	26.79
LOCATION L0005604	VOLUME	600469.150	4135722.005	26.79
LOCATION L0005605	VOLUME	600476.336	4135713.027	26.80
LOCATION L0005606	VOLUME	600483.522	4135704.048	26.80
LOCATION L0005607	VOLUME	600490.708	4135695.070	26.83
LOCATION L0005608	VOLUME	600497.894	4135686.091	26.86
LOCATION L0005609	VOLUME	600505.079	4135677.113	26.83
LOCATION L0005610	VOLUME	600512.265	4135668.134	26.81
LOCATION L0005611	VOLUME	600519.451	4135659.156	26.87
LOCATION L0005612	VOLUME	600526.637	4135650.177	26.91
LOCATION L0005613	VOLUME	600533.823	4135641.199	26.87
LOCATION L0005614	VOLUME	600541.009	4135632.220	26.84
LOCATION L0005615	VOLUME	600548.194	4135623.241	26.84
LOCATION L0005616	VOLUME	600555.380	4135614.263	26.79
LOCATION L0005617	VOLUME	600562.566	4135605.284	26.78
LOCATION L0005618	VOLUME	600569.752	4135596.306	26.84
LOCATION L0005619	VOLUME	600576.938	4135587.327	26.92
LOCATION L0005620	VOLUME	600584.123	4135578.349	26.92
LOCATION L0005621	VOLUME	600591.309	4135569.370	26.97
LOCATION L0005622	VOLUME	600598.495	4135560.392	27.07
LOCATION L0005623	VOLUME	600605.681	4135551.413	27.11
LOCATION L0005624	VOLUME	600612.867	4135542.435	27.09
LOCATION L0005625	VOLUME	600620.053	4135533.456	27.11
LOCATION L0005626	VOLUME	600627.238	4135524.478	27.08
LOCATION L0005627	VOLUME	600634.424	4135515.499	27.00
LOCATION L0005628	VOLUME	600641.610	4135506.521	27.02
LOCATION L0005629	VOLUME	600648.796	4135497.542	27.12
LOCATION L0005630	VOLUME	600655.982	4135488.564	27.13
LOCATION L0005631	VOLUME	600663.168	4135479.585	27.14
LOCATION L0005632	VOLUME	600670.353	4135470.606	27.15
LOCATION L0005633	VOLUME	600677.539	4135461.628	27.11
LOCATION L0005634	VOLUME	600684.725	4135452.649	26.63
LOCATION L0005635	VOLUME	600691.911	4135443.671	26.86
LOCATION L0005636	VOLUME	600699.097	4135434.692	27.29
LOCATION L0005637	VOLUME	600706.282	4135425.714	27.22
LOCATION L0005638	VOLUME	600713.468	4135416.735	27.20
LOCATION L0005639	VOLUME	600720.654	4135407.757	27.33
LOCATION L0005640	VOLUME	600727.840	4135398.778	27.30
LOCATION L0005641	VOLUME	600735.026	4135389.800	27.17
LOCATION L0005642	VOLUME	600742.212	4135380.821	27.16
LOCATION L0005643	VOLUME	600749.397	4135371.843	27.19

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LOCATION	VOLUME				
L0005644	600756.583	4135362.864	26.84		
L0005645	600763.769	4135353.886	26.85		
L0005646	600770.955	4135344.907	27.30		
L0005647	600778.141	4135335.929	27.16		
L0005648	600785.326	4135326.950	26.99		
L0005649	600792.512	4135317.971	27.12		
L0005650	600799.698	4135308.993	27.21		
L0005651	600806.884	4135300.014	26.95		
L0005652	600814.070	4135291.036	27.04		
L0005653	600821.256	4135282.057	27.45		
L0005654	600828.441	4135273.079	26.98		
L0005655	600835.627	4135264.100	26.76		
L0005656	600842.813	4135255.122	27.25		
L0005657	600849.999	4135246.143	27.37		
L0005658	600857.185	4135237.165	26.72		
L0005659	600864.371	4135228.186	26.82		
L0005660	600871.556	4135219.208	27.53		
L0005661	600878.742	4135210.229	27.58		

\*\* End of LINE VOLUME Source ID = SLINE2

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Las Plumas

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.12E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600656.983, 4135833.714, 27.74, 3.11, 5.35

\*\* 600502.982, 4135698.609, 26.89, 3.11, 5.35

\*\*

L0005662	600652.661	4135829.922	27.68		
L0005663	600644.016	4135822.338	27.59		
L0005664	600635.372	4135814.754	27.50		
L0005665	600626.727	4135807.170	27.41		
L0005666	600618.082	4135799.586	27.35		
L0005667	600609.437	4135792.002	27.30		
L0005668	600600.792	4135784.418	27.19		
L0005669	600592.148	4135776.834	27.04		
L0005670	600583.503	4135769.250	26.95		
L0005671	600574.858	4135761.666	26.92		
L0005672	600566.213	4135754.082	26.82		
L0005673	600557.569	4135746.498	26.78		
L0005674	600548.924	4135738.914	26.76		
L0005675	600540.279	4135731.330	26.85		
L0005676	600531.634	4135723.745	26.91		



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LOCATION L0005677      VOLUME    600522.990 4135716.161 26.91  
 LOCATION L0005678      VOLUME    600514.345 4135708.577 26.90  
 LOCATION L0005679      VOLUME    600505.700 4135700.993 26.88

\*\* End of LINE VOLUME Source ID = SLINE3

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC McKee

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.21E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 4

\*\* 600888.611, 4135200.187, 27.59, 3.11, 5.35

\*\* 600621.837, 4134972.644, 26.99, 3.11, 5.35

\*\* 600504.142, 4134871.950, 30.43, 3.11, 5.35

\*\* 600451.834, 4134807.872, 33.21, 3.11, 5.35

\*\*

LOCATION L0005680      VOLUME    600884.237 4135196.456 27.58  
 LOCATION L0005681      VOLUME    600875.487 4135188.993 27.58  
 LOCATION L0005682      VOLUME    600866.737 4135181.530 27.53  
 LOCATION L0005683      VOLUME    600857.988 4135174.067 27.44  
 LOCATION L0005684      VOLUME    600849.238 4135166.604 27.38  
 LOCATION L0005685      VOLUME    600840.489 4135159.141 27.32  
 LOCATION L0005686      VOLUME    600831.739 4135151.678 27.22  
 LOCATION L0005687      VOLUME    600822.990 4135144.215 27.12  
 LOCATION L0005688      VOLUME    600814.240 4135136.753 27.14  
 LOCATION L0005689      VOLUME    600805.490 4135129.290 27.19  
 LOCATION L0005690      VOLUME    600796.741 4135121.827 27.21  
 LOCATION L0005691      VOLUME    600787.991 4135114.364 27.12  
 LOCATION L0005692      VOLUME    600779.242 4135106.901 27.10  
 LOCATION L0005693      VOLUME    600770.492 4135099.438 27.12  
 LOCATION L0005694      VOLUME    600761.742 4135091.975 27.05  
 LOCATION L0005695      VOLUME    600752.993 4135084.512 26.93  
 LOCATION L0005696      VOLUME    600744.243 4135077.049 26.87  
 LOCATION L0005697      VOLUME    600735.494 4135069.587 26.87  
 LOCATION L0005698      VOLUME    600726.744 4135062.124 26.88  
 LOCATION L0005699      VOLUME    600717.994 4135054.661 26.96  
 LOCATION L0005700      VOLUME    600709.245 4135047.198 27.00  
 LOCATION L0005701      VOLUME    600700.495 4135039.735 27.00  
 LOCATION L0005702      VOLUME    600691.746 4135032.272 26.98  
 LOCATION L0005703      VOLUME    600682.996 4135024.809 26.91  
 LOCATION L0005704      VOLUME    600674.246 4135017.346 26.84  
 LOCATION L0005705      VOLUME    600665.497 4135009.883 26.86  
 LOCATION L0005706      VOLUME    600656.747 4135002.421 26.91  
 LOCATION L0005707      VOLUME    600647.998 4134994.958 26.89

650 N King ConstT4.ADO

LOCATION L0005708	VOLUME	600639.248	4134987.495	26.83
LOCATION L0005709	VOLUME	600630.499	4134980.032	26.83
LOCATION L0005710	VOLUME	600621.749	4134972.569	26.96
LOCATION L0005711	VOLUME	600613.011	4134965.093	27.08
LOCATION L0005712	VOLUME	600604.272	4134957.617	27.04
LOCATION L0005713	VOLUME	600595.534	4134950.141	26.98
LOCATION L0005714	VOLUME	600586.796	4134942.664	26.92
LOCATION L0005715	VOLUME	600578.058	4134935.188	26.88
LOCATION L0005716	VOLUME	600569.319	4134927.712	27.00
LOCATION L0005717	VOLUME	600560.581	4134920.236	27.33
LOCATION L0005718	VOLUME	600551.843	4134912.760	27.80
LOCATION L0005719	VOLUME	600543.104	4134905.284	28.29
LOCATION L0005720	VOLUME	600534.366	4134897.808	28.60
LOCATION L0005721	VOLUME	600525.628	4134890.332	28.85
LOCATION L0005722	VOLUME	600516.889	4134882.856	29.25
LOCATION L0005723	VOLUME	600508.151	4134875.380	30.21
LOCATION L0005724	VOLUME	600500.206	4134867.128	30.52
LOCATION L0005725	VOLUME	600492.934	4134858.220	30.97
LOCATION L0005726	VOLUME	600485.662	4134849.311	31.83
LOCATION L0005727	VOLUME	600478.389	4134840.402	32.64
LOCATION L0005728	VOLUME	600471.117	4134831.494	32.86
LOCATION L0005729	VOLUME	600463.845	4134822.585	33.27
LOCATION L0005730	VOLUME	600456.572	4134813.677	33.78

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Onsite

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.000193

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 14

\*\* 600621.810, 4135848.940, 28.17, 3.11, 5.35

\*\* 600495.837, 4135727.205, 27.12, 3.11, 5.35

\*\* 600475.346, 4135749.443, 26.94, 3.11, 5.35

\*\* 600606.227, 4135865.984, 28.33, 3.11, 5.35

\*\* 600584.499, 4135889.295, 28.08, 3.11, 5.35

\*\* 600459.252, 4135767.483, 27.13, 3.11, 5.35

\*\* 600441.580, 4135791.759, 27.02, 3.11, 5.35

\*\* 600573.283, 4135904.781, 27.52, 3.11, 5.35

\*\* 600557.351, 4135924.866, 27.74, 3.11, 5.35

\*\* 600423.825, 4135811.946, 27.28, 3.11, 5.35

\*\* 600404.048, 4135833.441, 27.14, 3.11, 5.35

\*\* 600540.873, 4135937.348, 27.72, 3.11, 5.35

\*\* 600529.074, 4135959.659, 28.05, 3.11, 5.35

650 N King ConstT4.ADO

\*\* 600386.372, 4135849.089, 27.07, 3.11, 5.35

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LOCATION L0005731      VOLUME  600617.675 4135844.944 28.00
LOCATION L0005732      VOLUME  600609.406 4135836.953 27.59
LOCATION L0005733      VOLUME  600601.136 4135828.961 27.30
LOCATION L0005734      VOLUME  600592.866 4135820.970 27.21
LOCATION L0005735      VOLUME  600584.597 4135812.979 27.15
LOCATION L0005736      VOLUME  600576.327 4135804.987 27.06
LOCATION L0005737      VOLUME  600568.057 4135796.996 26.95
LOCATION L0005738      VOLUME  600559.788 4135789.004 26.89
LOCATION L0005739      VOLUME  600551.518 4135781.013 26.81
LOCATION L0005740      VOLUME  600543.248 4135773.021 26.71
LOCATION L0005741      VOLUME  600534.979 4135765.030 26.72
LOCATION L0005742      VOLUME  600526.709 4135757.038 26.77
LOCATION L0005743      VOLUME  600518.440 4135749.047 26.83
LOCATION L0005744      VOLUME  600510.170 4135741.056 26.99
LOCATION L0005745      VOLUME  600501.900 4135733.064 27.09
LOCATION L0005746      VOLUME  600493.758 4135729.462 27.13
LOCATION L0005747      VOLUME  600485.965 4135737.919 27.11
LOCATION L0005748      VOLUME  600478.172 4135746.376 27.08
LOCATION L0005749      VOLUME  600480.820 4135754.317 27.16
LOCATION L0005750      VOLUME  600489.409 4135761.965 27.28
LOCATION L0005751      VOLUME  600497.997 4135769.613 27.27
LOCATION L0005752      VOLUME  600506.586 4135777.260 27.09
LOCATION L0005753      VOLUME  600515.175 4135784.908 26.98
LOCATION L0005754      VOLUME  600523.763 4135792.555 26.95
LOCATION L0005755      VOLUME  600532.352 4135800.203 26.98
LOCATION L0005756      VOLUME  600540.940 4135807.851 27.01
LOCATION L0005757      VOLUME  600549.529 4135815.498 27.08
LOCATION L0005758      VOLUME  600558.118 4135823.146 27.17
LOCATION L0005759      VOLUME  600566.706 4135830.794 27.25
LOCATION L0005760      VOLUME  600575.295 4135838.441 27.29
LOCATION L0005761      VOLUME  600583.883 4135846.089 27.45
LOCATION L0005762      VOLUME  600592.472 4135853.736 27.73
LOCATION L0005763      VOLUME  600601.061 4135861.384 28.17
LOCATION L0005764      VOLUME  600603.102 4135869.336 28.25
LOCATION L0005765      VOLUME  600595.261 4135877.749 28.12
LOCATION L0005766      VOLUME  600587.420 4135886.161 28.02
LOCATION L0005767      VOLUME  600579.326 4135884.265 27.72
LOCATION L0005768      VOLUME  600571.082 4135876.247 27.39
LOCATION L0005769      VOLUME  600562.838 4135868.229 27.23
LOCATION L0005770      VOLUME  600554.594 4135860.211 27.22
LOCATION L0005771      VOLUME  600546.351 4135852.193 27.23
LOCATION L0005772      VOLUME  600538.107 4135844.175 27.24
LOCATION L0005773      VOLUME  600529.863 4135836.157 27.26
LOCATION L0005774      VOLUME  600521.619 4135828.139 27.25
LOCATION L0005775      VOLUME  600513.375 4135820.121 27.23
LOCATION L0005776      VOLUME  600505.131 4135812.103 27.24

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650 N King ConstT4.ADO

LOCATION L0005777	VOLUME	600496.887	4135804.086	27.27
LOCATION L0005778	VOLUME	600488.643	4135796.068	27.28
LOCATION L0005779	VOLUME	600480.399	4135788.050	27.27
LOCATION L0005780	VOLUME	600472.155	4135780.032	27.24
LOCATION L0005781	VOLUME	600463.911	4135772.014	27.16
LOCATION L0005782	VOLUME	600456.309	4135771.526	27.11
LOCATION L0005783	VOLUME	600449.541	4135780.824	27.06
LOCATION L0005784	VOLUME	600442.772	4135790.121	27.01
LOCATION L0005785	VOLUME	600448.770	4135797.929	27.04
LOCATION L0005786	VOLUME	600457.497	4135805.418	27.26
LOCATION L0005787	VOLUME	600466.224	4135812.907	27.41
LOCATION L0005788	VOLUME	600474.951	4135820.397	27.45
LOCATION L0005789	VOLUME	600483.678	4135827.886	27.46
LOCATION L0005790	VOLUME	600492.405	4135835.375	27.43
LOCATION L0005791	VOLUME	600501.132	4135842.864	27.40
LOCATION L0005792	VOLUME	600509.859	4135850.353	27.38
LOCATION L0005793	VOLUME	600518.586	4135857.843	27.37
LOCATION L0005794	VOLUME	600527.313	4135865.332	27.32
LOCATION L0005795	VOLUME	600536.040	4135872.821	27.24
LOCATION L0005796	VOLUME	600544.767	4135880.310	27.16
LOCATION L0005797	VOLUME	600553.494	4135887.800	27.20
LOCATION L0005798	VOLUME	600562.221	4135895.289	27.33
LOCATION L0005799	VOLUME	600570.948	4135902.778	27.61
LOCATION L0005800	VOLUME	600568.048	4135911.381	27.62
LOCATION L0005801	VOLUME	600560.901	4135920.390	27.62
LOCATION L0005802	VOLUME	600552.932	4135921.129	27.51
LOCATION L0005803	VOLUME	600544.151	4135913.703	27.31
LOCATION L0005804	VOLUME	600535.370	4135906.277	27.26
LOCATION L0005805	VOLUME	600526.589	4135898.851	27.29
LOCATION L0005806	VOLUME	600517.808	4135891.425	27.38
LOCATION L0005807	VOLUME	600509.027	4135884.000	27.44
LOCATION L0005808	VOLUME	600500.246	4135876.574	27.49
LOCATION L0005809	VOLUME	600491.465	4135869.148	27.52
LOCATION L0005810	VOLUME	600482.684	4135861.722	27.52
LOCATION L0005811	VOLUME	600473.903	4135854.296	27.54
LOCATION L0005812	VOLUME	600465.122	4135846.870	27.58
LOCATION L0005813	VOLUME	600456.341	4135839.444	27.65
LOCATION L0005814	VOLUME	600447.560	4135832.018	27.75
LOCATION L0005815	VOLUME	600438.779	4135824.592	27.65
LOCATION L0005816	VOLUME	600429.998	4135817.166	27.45
LOCATION L0005817	VOLUME	600421.512	4135814.459	27.38
LOCATION L0005818	VOLUME	600413.726	4135822.922	27.38
LOCATION L0005819	VOLUME	600405.940	4135831.385	27.26
LOCATION L0005820	VOLUME	600410.981	4135838.706	27.34
LOCATION L0005821	VOLUME	600420.140	4135845.661	27.47
LOCATION L0005822	VOLUME	600429.298	4135852.616	27.49
LOCATION L0005823	VOLUME	600438.457	4135859.571	27.52
LOCATION L0005824	VOLUME	600447.615	4135866.526	27.58

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LOCATION L0005825	VOLUME	600456.773	4135873.481	27.58
LOCATION L0005826	VOLUME	600465.932	4135880.437	27.60
LOCATION L0005827	VOLUME	600475.090	4135887.392	27.60
LOCATION L0005828	VOLUME	600484.249	4135894.347	27.59
LOCATION L0005829	VOLUME	600493.407	4135901.302	27.58
LOCATION L0005830	VOLUME	600502.566	4135908.257	27.50
LOCATION L0005831	VOLUME	600511.724	4135915.212	27.41
LOCATION L0005832	VOLUME	600520.882	4135922.167	27.34
LOCATION L0005833	VOLUME	600530.041	4135929.122	27.51
LOCATION L0005834	VOLUME	600539.199	4135936.077	27.75
LOCATION L0005835	VOLUME	600536.479	4135945.656	27.98
LOCATION L0005836	VOLUME	600531.103	4135955.822	28.10
LOCATION L0005837	VOLUME	600523.414	4135955.274	27.97
LOCATION L0005838	VOLUME	600514.324	4135948.230	27.75
LOCATION L0005839	VOLUME	600505.233	4135941.187	27.66
LOCATION L0005840	VOLUME	600496.143	4135934.143	27.63
LOCATION L0005841	VOLUME	600487.052	4135927.100	27.59
LOCATION L0005842	VOLUME	600477.962	4135920.056	27.50
LOCATION L0005843	VOLUME	600468.871	4135913.012	27.49
LOCATION L0005844	VOLUME	600459.781	4135905.969	27.57
LOCATION L0005845	VOLUME	600450.690	4135898.925	27.60
LOCATION L0005846	VOLUME	600441.600	4135891.881	27.58
LOCATION L0005847	VOLUME	600432.509	4135884.838	27.55
LOCATION L0005848	VOLUME	600423.419	4135877.794	27.48
LOCATION L0005849	VOLUME	600414.328	4135870.750	27.39
LOCATION L0005850	VOLUME	600405.238	4135863.707	27.23
LOCATION L0005851	VOLUME	600396.147	4135856.663	27.04
LOCATION L0005852	VOLUME	600387.057	4135849.620	27.04

\*\* End of LINE VOLUME Source ID = SLINE5

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0005517	0.000000627	3.11	5.35	2.89
SRCPARAM L0005518	0.000000627	3.11	5.35	2.89
SRCPARAM L0005519	0.000000627	3.11	5.35	2.89
SRCPARAM L0005520	0.000000627	3.11	5.35	2.89
SRCPARAM L0005521	0.000000627	3.11	5.35	2.89
SRCPARAM L0005522	0.000000627	3.11	5.35	2.89
SRCPARAM L0005523	0.000000627	3.11	5.35	2.89
SRCPARAM L0005524	0.000000627	3.11	5.35	2.89
SRCPARAM L0005525	0.000000627	3.11	5.35	2.89
SRCPARAM L0005526	0.000000627	3.11	5.35	2.89
SRCPARAM L0005527	0.000000627	3.11	5.35	2.89
SRCPARAM L0005528	0.000000627	3.11	5.35	2.89
SRCPARAM L0005529	0.000000627	3.11	5.35	2.89
SRCPARAM L0005530	0.000000627	3.11	5.35	2.89
SRCPARAM L0005531	0.000000627	3.11	5.35	2.89
SRCPARAM L0005532	0.000000627	3.11	5.35	2.89
SRCPARAM L0005533	0.000000627	3.11	5.35	2.89



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SRCPARAM L0005582	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005583	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005584	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005585	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005586	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005587	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005588	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005589	0.0000000627	3.11	5.35	2.89
SRCPARAM L0005590	0.0000000627	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM L0005591	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005592	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005593	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005594	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005595	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005596	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005597	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005598	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005599	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005600	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005601	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005602	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005603	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005604	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005605	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005606	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005607	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005608	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005609	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005610	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005611	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005612	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005613	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005614	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005615	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005616	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005617	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005618	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005619	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005620	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005621	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005622	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005623	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005624	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005625	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005626	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005627	0.00000006282	3.11	5.35	2.89

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SRCPARAM L0005628	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005629	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005630	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005631	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005632	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005633	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005634	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005635	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005636	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005637	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005638	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005639	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005640	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005641	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005642	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005643	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005644	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005645	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005646	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005647	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005648	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005649	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005650	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005651	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005652	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005653	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005654	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005655	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005656	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005657	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005658	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005659	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005660	0.00000006282	3.11	5.35	2.89
SRCPARAM L0005661	0.00000006282	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM L0005662	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005663	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005664	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005665	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005666	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005667	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005668	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005669	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005670	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005671	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005672	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005673	0.00000006222	3.11	5.35	2.89



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SRCPARAM L0005674	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005675	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005676	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005677	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005678	0.00000006222	3.11	5.35	2.89
SRCPARAM L0005679	0.00000006222	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM L0005680	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005681	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005682	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005683	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005684	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005685	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005686	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005687	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005688	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005689	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005690	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005691	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005692	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005693	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005694	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005695	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005696	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005697	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005698	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005699	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005700	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005701	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005702	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005703	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005704	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005705	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005706	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005707	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005708	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005709	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005710	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005711	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005712	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005713	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005714	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005715	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005716	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005717	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005718	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005719	0.00000006294	3.11	5.35	2.89

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SRCPARAM L0005720	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005721	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005722	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005723	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005724	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005725	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005726	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005727	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005728	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005729	0.00000006294	3.11	5.35	2.89
SRCPARAM L0005730	0.00000006294	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM L0005731	0.000001582	3.11	5.35	2.89
SRCPARAM L0005732	0.000001582	3.11	5.35	2.89
SRCPARAM L0005733	0.000001582	3.11	5.35	2.89
SRCPARAM L0005734	0.000001582	3.11	5.35	2.89
SRCPARAM L0005735	0.000001582	3.11	5.35	2.89
SRCPARAM L0005736	0.000001582	3.11	5.35	2.89
SRCPARAM L0005737	0.000001582	3.11	5.35	2.89
SRCPARAM L0005738	0.000001582	3.11	5.35	2.89
SRCPARAM L0005739	0.000001582	3.11	5.35	2.89
SRCPARAM L0005740	0.000001582	3.11	5.35	2.89
SRCPARAM L0005741	0.000001582	3.11	5.35	2.89
SRCPARAM L0005742	0.000001582	3.11	5.35	2.89
SRCPARAM L0005743	0.000001582	3.11	5.35	2.89
SRCPARAM L0005744	0.000001582	3.11	5.35	2.89
SRCPARAM L0005745	0.000001582	3.11	5.35	2.89
SRCPARAM L0005746	0.000001582	3.11	5.35	2.89
SRCPARAM L0005747	0.000001582	3.11	5.35	2.89
SRCPARAM L0005748	0.000001582	3.11	5.35	2.89
SRCPARAM L0005749	0.000001582	3.11	5.35	2.89
SRCPARAM L0005750	0.000001582	3.11	5.35	2.89
SRCPARAM L0005751	0.000001582	3.11	5.35	2.89
SRCPARAM L0005752	0.000001582	3.11	5.35	2.89
SRCPARAM L0005753	0.000001582	3.11	5.35	2.89
SRCPARAM L0005754	0.000001582	3.11	5.35	2.89
SRCPARAM L0005755	0.000001582	3.11	5.35	2.89
SRCPARAM L0005756	0.000001582	3.11	5.35	2.89
SRCPARAM L0005757	0.000001582	3.11	5.35	2.89
SRCPARAM L0005758	0.000001582	3.11	5.35	2.89
SRCPARAM L0005759	0.000001582	3.11	5.35	2.89
SRCPARAM L0005760	0.000001582	3.11	5.35	2.89
SRCPARAM L0005761	0.000001582	3.11	5.35	2.89
SRCPARAM L0005762	0.000001582	3.11	5.35	2.89
SRCPARAM L0005763	0.000001582	3.11	5.35	2.89
SRCPARAM L0005764	0.000001582	3.11	5.35	2.89
SRCPARAM L0005765	0.000001582	3.11	5.35	2.89

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SRCPARAM L0005766	0.000001582	3.11	5.35	2.89
SRCPARAM L0005767	0.000001582	3.11	5.35	2.89
SRCPARAM L0005768	0.000001582	3.11	5.35	2.89
SRCPARAM L0005769	0.000001582	3.11	5.35	2.89
SRCPARAM L0005770	0.000001582	3.11	5.35	2.89
SRCPARAM L0005771	0.000001582	3.11	5.35	2.89
SRCPARAM L0005772	0.000001582	3.11	5.35	2.89
SRCPARAM L0005773	0.000001582	3.11	5.35	2.89
SRCPARAM L0005774	0.000001582	3.11	5.35	2.89
SRCPARAM L0005775	0.000001582	3.11	5.35	2.89
SRCPARAM L0005776	0.000001582	3.11	5.35	2.89
SRCPARAM L0005777	0.000001582	3.11	5.35	2.89
SRCPARAM L0005778	0.000001582	3.11	5.35	2.89
SRCPARAM L0005779	0.000001582	3.11	5.35	2.89
SRCPARAM L0005780	0.000001582	3.11	5.35	2.89
SRCPARAM L0005781	0.000001582	3.11	5.35	2.89
SRCPARAM L0005782	0.000001582	3.11	5.35	2.89
SRCPARAM L0005783	0.000001582	3.11	5.35	2.89
SRCPARAM L0005784	0.000001582	3.11	5.35	2.89
SRCPARAM L0005785	0.000001582	3.11	5.35	2.89
SRCPARAM L0005786	0.000001582	3.11	5.35	2.89
SRCPARAM L0005787	0.000001582	3.11	5.35	2.89
SRCPARAM L0005788	0.000001582	3.11	5.35	2.89
SRCPARAM L0005789	0.000001582	3.11	5.35	2.89
SRCPARAM L0005790	0.000001582	3.11	5.35	2.89
SRCPARAM L0005791	0.000001582	3.11	5.35	2.89
SRCPARAM L0005792	0.000001582	3.11	5.35	2.89
SRCPARAM L0005793	0.000001582	3.11	5.35	2.89
SRCPARAM L0005794	0.000001582	3.11	5.35	2.89
SRCPARAM L0005795	0.000001582	3.11	5.35	2.89
SRCPARAM L0005796	0.000001582	3.11	5.35	2.89
SRCPARAM L0005797	0.000001582	3.11	5.35	2.89
SRCPARAM L0005798	0.000001582	3.11	5.35	2.89
SRCPARAM L0005799	0.000001582	3.11	5.35	2.89
SRCPARAM L0005800	0.000001582	3.11	5.35	2.89
SRCPARAM L0005801	0.000001582	3.11	5.35	2.89
SRCPARAM L0005802	0.000001582	3.11	5.35	2.89
SRCPARAM L0005803	0.000001582	3.11	5.35	2.89
SRCPARAM L0005804	0.000001582	3.11	5.35	2.89
SRCPARAM L0005805	0.000001582	3.11	5.35	2.89
SRCPARAM L0005806	0.000001582	3.11	5.35	2.89
SRCPARAM L0005807	0.000001582	3.11	5.35	2.89
SRCPARAM L0005808	0.000001582	3.11	5.35	2.89
SRCPARAM L0005809	0.000001582	3.11	5.35	2.89
SRCPARAM L0005810	0.000001582	3.11	5.35	2.89
SRCPARAM L0005811	0.000001582	3.11	5.35	2.89
SRCPARAM L0005812	0.000001582	3.11	5.35	2.89
SRCPARAM L0005813	0.000001582	3.11	5.35	2.89

650 N King ConstT4.ADO

SRCPARAM L0005814	0.000001582	3.11	5.35	2.89
SRCPARAM L0005815	0.000001582	3.11	5.35	2.89
SRCPARAM L0005816	0.000001582	3.11	5.35	2.89
SRCPARAM L0005817	0.000001582	3.11	5.35	2.89
SRCPARAM L0005818	0.000001582	3.11	5.35	2.89
SRCPARAM L0005819	0.000001582	3.11	5.35	2.89
SRCPARAM L0005820	0.000001582	3.11	5.35	2.89
SRCPARAM L0005821	0.000001582	3.11	5.35	2.89
SRCPARAM L0005822	0.000001582	3.11	5.35	2.89
SRCPARAM L0005823	0.000001582	3.11	5.35	2.89
SRCPARAM L0005824	0.000001582	3.11	5.35	2.89
SRCPARAM L0005825	0.000001582	3.11	5.35	2.89
SRCPARAM L0005826	0.000001582	3.11	5.35	2.89
SRCPARAM L0005827	0.000001582	3.11	5.35	2.89
SRCPARAM L0005828	0.000001582	3.11	5.35	2.89
SRCPARAM L0005829	0.000001582	3.11	5.35	2.89
SRCPARAM L0005830	0.000001582	3.11	5.35	2.89
SRCPARAM L0005831	0.000001582	3.11	5.35	2.89
SRCPARAM L0005832	0.000001582	3.11	5.35	2.89
SRCPARAM L0005833	0.000001582	3.11	5.35	2.89
SRCPARAM L0005834	0.000001582	3.11	5.35	2.89
SRCPARAM L0005835	0.000001582	3.11	5.35	2.89
SRCPARAM L0005836	0.000001582	3.11	5.35	2.89
SRCPARAM L0005837	0.000001582	3.11	5.35	2.89
SRCPARAM L0005838	0.000001582	3.11	5.35	2.89
SRCPARAM L0005839	0.000001582	3.11	5.35	2.89
SRCPARAM L0005840	0.000001582	3.11	5.35	2.89
SRCPARAM L0005841	0.000001582	3.11	5.35	2.89
SRCPARAM L0005842	0.000001582	3.11	5.35	2.89
SRCPARAM L0005843	0.000001582	3.11	5.35	2.89
SRCPARAM L0005844	0.000001582	3.11	5.35	2.89
SRCPARAM L0005845	0.000001582	3.11	5.35	2.89
SRCPARAM L0005846	0.000001582	3.11	5.35	2.89
SRCPARAM L0005847	0.000001582	3.11	5.35	2.89
SRCPARAM L0005848	0.000001582	3.11	5.35	2.89
SRCPARAM L0005849	0.000001582	3.11	5.35	2.89
SRCPARAM L0005850	0.000001582	3.11	5.35	2.89
SRCPARAM L0005851	0.000001582	3.11	5.35	2.89
SRCPARAM L0005852	0.000001582	3.11	5.35	2.89

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URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

\*\*\*\*\*

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650 N King ConstT4.ADO

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RE STARTING  
INCLUDED "650 N King ConstT4.rou"  
RE FINISHED

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\*\* AERMOD Meteorology Pathway

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\*\*

ME STARTING  
SURFFILE 724945.SFC  
PROFFILE 724945.PFL  
SURFDATA 23293 2009  
UAIRDATA 23230 2009 OAKLAND/WSO\_AP  
PROFBASE 15.5 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST "650 N KING CONSTT4.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "650 N KING CONSTT4.AD\PE00GALL.PLT" 32  
SUMMFILE "650 N King ConstT4.sum"

OU FINISHED

\*\*\*\*\*

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

\*\*\*\*\*

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 12:42:38

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY

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650 N King ConstT4.ADO

\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 336 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 1928000.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_2.5

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

\*\*This Run Includes: 336 Source(s); 1 Source Group(s); and 465  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 336 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

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

\*\*The AERMET Input Meteorological Data Version Date: 14134

650 N King ConstT4.ADO

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor  
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE

Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; 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 = 3.7 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 650 N King ConstT4.err

\*\*File for Summary of Results: 650 N King ConstT4.sum

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 12:42:38

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

650 N King ConstT4.ADO

ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)  
BY

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L0005517	0	0.62700E-07	600363.0	4135852.7	27.1	3.11	5.35
2.89 YES							
L0005518	0	0.62700E-07	600355.7	4135861.7	27.2	3.11	5.35
2.89 YES							
L0005519	0	0.62700E-07	600348.5	4135870.6	27.2	3.11	5.35
2.89 YES							
L0005520	0	0.62700E-07	600341.2	4135879.5	27.2	3.11	5.35
2.89 YES							
L0005521	0	0.62700E-07	600334.0	4135888.5	27.2	3.11	5.35
2.89 YES							
L0005522	0	0.62700E-07	600326.7	4135897.4	27.3	3.11	5.35
2.89 YES							
L0005523	0	0.62700E-07	600319.5	4135906.3	27.3	3.11	5.35
2.89 YES							
L0005524	0	0.62700E-07	600312.3	4135915.3	27.3	3.11	5.35
2.89 YES							
L0005525	0	0.62700E-07	600305.0	4135924.2	27.2	3.11	5.35
2.89 YES							
L0005526	0	0.62700E-07	600297.8	4135933.1	27.2	3.11	5.35
2.89 YES							
L0005527	0	0.62700E-07	600290.5	4135942.1	27.2	3.11	5.35
2.89 YES							
L0005528	0	0.62700E-07	600283.3	4135951.0	27.2	3.11	5.35
2.89 YES							
L0005529	0	0.62700E-07	600276.0	4135959.9	27.2	3.11	5.35
2.89 YES							
L0005530	0	0.62700E-07	600268.8	4135968.9	27.2	3.11	5.35
2.89 YES							
L0005531	0	0.62700E-07	600261.6	4135977.8	27.2	3.11	5.35
2.89 YES							
L0005532	0	0.62700E-07	600254.3	4135986.7	27.3	3.11	5.35
2.89 YES							
L0005533	0	0.62700E-07	600247.1	4135995.7	27.3	3.11	5.35
2.89 YES							
L0005534	0	0.62700E-07	600239.8	4136004.6	27.4	3.11	5.35
2.89 YES							
L0005535	0	0.62700E-07	600232.6	4136013.5	27.5	3.11	5.35
2.89 YES							
L0005536	0	0.62700E-07	600225.4	4136022.5	27.5	3.11	5.35
2.89 YES							
L0005537	0	0.62700E-07	600218.1	4136031.4	27.5	3.11	5.35
2.89 YES							
L0005538	0	0.62700E-07	600210.9	4136040.3	27.5	3.11	5.35



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2.89	YES							
L0005539		0	0.62700E-07	600203.6	4136049.3	27.5	3.11	5.35
2.89	YES							
L0005540		0	0.62700E-07	600196.4	4136058.2	27.5	3.11	5.35
2.89	YES							
L0005541		0	0.62700E-07	600189.1	4136067.1	27.4	3.11	5.35
2.89	YES							
L0005542		0	0.62700E-07	600181.9	4136076.1	27.4	3.11	5.35
2.89	YES							
L0005543		0	0.62700E-07	600174.7	4136085.0	27.4	3.11	5.35
2.89	YES							
L0005544		0	0.62700E-07	600167.4	4136093.9	27.3	3.11	5.35
2.89	YES							
L0005545		0	0.62700E-07	600160.2	4136102.9	27.4	3.11	5.35
2.89	YES							
L0005546		0	0.62700E-07	600152.9	4136111.8	27.4	3.11	5.35
2.89	YES							
L0005547		0	0.62700E-07	600145.7	4136120.7	27.4	3.11	5.35
2.89	YES							
L0005548		0	0.62700E-07	600138.4	4136129.7	27.4	3.11	5.35
2.89	YES							
L0005549		0	0.62700E-07	600131.2	4136138.6	27.4	3.11	5.35
2.89	YES							
L0005550		0	0.62700E-07	600124.0	4136147.5	27.4	3.11	5.35
2.89	YES							
L0005551		0	0.62700E-07	600116.8	4136156.5	27.4	3.11	5.35
2.89	YES							
L0005552		0	0.62700E-07	600111.2	4136166.6	27.5	3.11	5.35
2.89	YES							
L0005553		0	0.62700E-07	600105.6	4136176.6	27.5	3.11	5.35
2.89	YES							
L0005554		0	0.62700E-07	600100.0	4136186.7	27.5	3.11	5.35
2.89	YES							
L0005555		0	0.62700E-07	600094.5	4136196.7	27.5	3.11	5.35
2.89	YES							
L0005556		0	0.62700E-07	600088.9	4136206.8	27.4	3.11	5.35

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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 \*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

650 N King ConstT4.ADO

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.			
SOURCE	SOURCE	EMISSION RATE	ELEV.	HEIGHT	SY			
SZ	ID	PART. (GRAMS/SEC)	X	Y				
(METERS)		SCALAR VARY	(METERS)	(METERS)	(METERS)			
		CATS.						
		BY						
L0005557		0	0.62700E-07	600083.3	4136216.8	27.4	3.11	5.35
2.89	YES							
L0005558		0	0.62700E-07	600077.7	4136226.9	27.6	3.11	5.35
2.89	YES							
L0005559		0	0.62700E-07	600072.2	4136237.0	27.6	3.11	5.35
2.89	YES							
L0005560		0	0.62700E-07	600066.6	4136247.0	27.7	3.11	5.35
2.89	YES							
L0005561		0	0.62700E-07	600061.0	4136257.1	27.8	3.11	5.35
2.89	YES							
L0005562		0	0.62700E-07	600055.4	4136267.1	27.7	3.11	5.35
2.89	YES							
L0005563		0	0.62700E-07	600049.9	4136277.2	27.7	3.11	5.35
2.89	YES							
L0005564		0	0.62700E-07	600044.3	4136287.3	27.7	3.11	5.35
2.89	YES							
L0005565		0	0.62700E-07	600038.7	4136297.3	27.8	3.11	5.35
2.89	YES							
L0005566		0	0.62700E-07	600033.1	4136307.4	27.7	3.11	5.35
2.89	YES							
L0005567		0	0.62700E-07	600027.6	4136317.4	27.6	3.11	5.35
2.89	YES							
L0005568		0	0.62700E-07	600022.0	4136327.5	27.6	3.11	5.35
2.89	YES							
L0005569		0	0.62700E-07	600016.4	4136337.5	27.6	3.11	5.35
2.89	YES							
L0005570		0	0.62700E-07	600010.8	4136347.6	27.6	3.11	5.35
2.89	YES							
L0005571		0	0.62700E-07	600005.3	4136357.7	27.7	3.11	5.35
2.89	YES							
L0005572		0	0.62700E-07	599999.7	4136367.7	27.7	3.11	5.35
2.89	YES							
L0005573		0	0.62700E-07	599994.1	4136377.8	27.6	3.11	5.35
2.89	YES							
L0005574		0	0.62700E-07	599988.5	4136387.8	27.7	3.11	5.35
2.89	YES							
L0005575		0	0.62700E-07	599983.0	4136397.9	27.6	3.11	5.35
2.89	YES							
L0005576		0	0.62700E-07	599977.4	4136408.0	27.4	3.11	5.35

650 N King ConstT4.ADO

2.89	YES							
L0005577		0	0.62700E-07	599971.8	4136418.0	27.5	3.11	5.35
2.89	YES							
L0005578		0	0.62700E-07	599966.2	4136428.1	27.6	3.11	5.35
2.89	YES							
L0005579		0	0.62700E-07	599960.7	4136438.1	27.6	3.11	5.35
2.89	YES							
L0005580		0	0.62700E-07	599955.1	4136448.2	27.6	3.11	5.35
2.89	YES							
L0005581		0	0.62700E-07	599949.5	4136458.2	27.6	3.11	5.35
2.89	YES							
L0005582		0	0.62700E-07	599943.9	4136468.3	27.7	3.11	5.35
2.89	YES							
L0005583		0	0.62700E-07	599938.4	4136478.4	27.9	3.11	5.35
2.89	YES							
L0005584		0	0.62700E-07	599932.8	4136488.4	27.9	3.11	5.35
2.89	YES							
L0005585		0	0.62700E-07	599927.2	4136498.5	27.7	3.11	5.35
2.89	YES							
L0005586		0	0.62700E-07	599921.6	4136508.5	27.5	3.11	5.35
2.89	YES							
L0005587		0	0.62700E-07	599916.1	4136518.6	27.7	3.11	5.35
2.89	YES							
L0005588		0	0.62700E-07	599910.5	4136528.7	27.9	3.11	5.35
2.89	YES							
L0005589		0	0.62700E-07	599904.9	4136538.7	28.0	3.11	5.35
2.89	YES							
L0005590		0	0.62700E-07	599899.3	4136548.8	28.2	3.11	5.35
2.89	YES							
L0005591		0	0.62820E-07	600375.7	4135838.7	27.0	3.11	5.35
2.89	YES							
L0005592		0	0.62820E-07	600382.9	4135829.7	27.0	3.11	5.35
2.89	YES							
L0005593		0	0.62820E-07	600390.1	4135820.8	26.9	3.11	5.35
2.89	YES							
L0005594		0	0.62820E-07	600397.3	4135811.8	26.9	3.11	5.35
2.89	YES							
L0005595		0	0.62820E-07	600404.5	4135802.8	26.9	3.11	5.35
2.89	YES							
L0005596		0	0.62820E-07	600411.7	4135793.8	26.9	3.11	5.35

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

650 N King ConstT4.ADO

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.		
SOURCE	SOURCE	EMISSION RATE	ELEV.	HEIGHT	SY		
SZ	SCALAR VARY	PART. (GRAMS/SEC)	X	Y			
ID	CATS.		(METERS)	(METERS)	(METERS)		
(METERS)	BY						
L0005597	0	0.62820E-07	600418.9	4135784.9	26.9	3.11	5.35
2.89	YES						
L0005598	0	0.62820E-07	600426.0	4135775.9	26.9	3.11	5.35
2.89	YES						
L0005599	0	0.62820E-07	600433.2	4135766.9	26.9	3.11	5.35
2.89	YES						
L0005600	0	0.62820E-07	600440.4	4135757.9	26.9	3.11	5.35
2.89	YES						
L0005601	0	0.62820E-07	600447.6	4135748.9	26.9	3.11	5.35
2.89	YES						
L0005602	0	0.62820E-07	600454.8	4135740.0	26.8	3.11	5.35
2.89	YES						
L0005603	0	0.62820E-07	600462.0	4135731.0	26.8	3.11	5.35
2.89	YES						
L0005604	0	0.62820E-07	600469.2	4135722.0	26.8	3.11	5.35
2.89	YES						
L0005605	0	0.62820E-07	600476.3	4135713.0	26.8	3.11	5.35
2.89	YES						
L0005606	0	0.62820E-07	600483.5	4135704.0	26.8	3.11	5.35
2.89	YES						
L0005607	0	0.62820E-07	600490.7	4135695.1	26.8	3.11	5.35
2.89	YES						
L0005608	0	0.62820E-07	600497.9	4135686.1	26.9	3.11	5.35
2.89	YES						
L0005609	0	0.62820E-07	600505.1	4135677.1	26.8	3.11	5.35
2.89	YES						
L0005610	0	0.62820E-07	600512.3	4135668.1	26.8	3.11	5.35
2.89	YES						
L0005611	0	0.62820E-07	600519.5	4135659.2	26.9	3.11	5.35
2.89	YES						
L0005612	0	0.62820E-07	600526.6	4135650.2	26.9	3.11	5.35
2.89	YES						
L0005613	0	0.62820E-07	600533.8	4135641.2	26.9	3.11	5.35
2.89	YES						
L0005614	0	0.62820E-07	600541.0	4135632.2	26.8	3.11	5.35

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2.89	YES							
L0005615		0	0.62820E-07	600548.2	4135623.2	26.8	3.11	5.35
2.89	YES							
L0005616		0	0.62820E-07	600555.4	4135614.3	26.8	3.11	5.35
2.89	YES							
L0005617		0	0.62820E-07	600562.6	4135605.3	26.8	3.11	5.35
2.89	YES							
L0005618		0	0.62820E-07	600569.8	4135596.3	26.8	3.11	5.35
2.89	YES							
L0005619		0	0.62820E-07	600576.9	4135587.3	26.9	3.11	5.35
2.89	YES							
L0005620		0	0.62820E-07	600584.1	4135578.3	26.9	3.11	5.35
2.89	YES							
L0005621		0	0.62820E-07	600591.3	4135569.4	27.0	3.11	5.35
2.89	YES							
L0005622		0	0.62820E-07	600598.5	4135560.4	27.1	3.11	5.35
2.89	YES							
L0005623		0	0.62820E-07	600605.7	4135551.4	27.1	3.11	5.35
2.89	YES							
L0005624		0	0.62820E-07	600612.9	4135542.4	27.1	3.11	5.35
2.89	YES							
L0005625		0	0.62820E-07	600620.1	4135533.5	27.1	3.11	5.35
2.89	YES							
L0005626		0	0.62820E-07	600627.2	4135524.5	27.1	3.11	5.35
2.89	YES							
L0005627		0	0.62820E-07	600634.4	4135515.5	27.0	3.11	5.35
2.89	YES							
L0005628		0	0.62820E-07	600641.6	4135506.5	27.0	3.11	5.35
2.89	YES							
L0005629		0	0.62820E-07	600648.8	4135497.5	27.1	3.11	5.35
2.89	YES							
L0005630		0	0.62820E-07	600656.0	4135488.6	27.1	3.11	5.35
2.89	YES							
L0005631		0	0.62820E-07	600663.2	4135479.6	27.1	3.11	5.35
2.89	YES							
L0005632		0	0.62820E-07	600670.4	4135470.6	27.2	3.11	5.35
2.89	YES							
L0005633		0	0.62820E-07	600677.5	4135461.6	27.1	3.11	5.35
2.89	YES							
L0005634		0	0.62820E-07	600684.7	4135452.6	26.6	3.11	5.35
2.89	YES							
L0005635		0	0.62820E-07	600691.9	4135443.7	26.9	3.11	5.35
2.89	YES							
L0005636		0	0.62820E-07	600699.1	4135434.7	27.3	3.11	5.35

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	ID	CATS.	BY						
(METERS)									
L0005637		0	0.62820E-07	600706.3	4135425.7	27.2	3.11	5.35	
2.89	YES								
L0005638		0	0.62820E-07	600713.5	4135416.7	27.2	3.11	5.35	
2.89	YES								
L0005639		0	0.62820E-07	600720.7	4135407.8	27.3	3.11	5.35	
2.89	YES								
L0005640		0	0.62820E-07	600727.8	4135398.8	27.3	3.11	5.35	
2.89	YES								
L0005641		0	0.62820E-07	600735.0	4135389.8	27.2	3.11	5.35	
2.89	YES								
L0005642		0	0.62820E-07	600742.2	4135380.8	27.2	3.11	5.35	
2.89	YES								
L0005643		0	0.62820E-07	600749.4	4135371.8	27.2	3.11	5.35	
2.89	YES								
L0005644		0	0.62820E-07	600756.6	4135362.9	26.8	3.11	5.35	
2.89	YES								
L0005645		0	0.62820E-07	600763.8	4135353.9	26.9	3.11	5.35	
2.89	YES								
L0005646		0	0.62820E-07	600771.0	4135344.9	27.3	3.11	5.35	
2.89	YES								
L0005647		0	0.62820E-07	600778.1	4135335.9	27.2	3.11	5.35	
2.89	YES								
L0005648		0	0.62820E-07	600785.3	4135326.9	27.0	3.11	5.35	
2.89	YES								
L0005649		0	0.62820E-07	600792.5	4135318.0	27.1	3.11	5.35	
2.89	YES								
L0005650		0	0.62820E-07	600799.7	4135309.0	27.2	3.11	5.35	
2.89	YES								
L0005651		0	0.62820E-07	600806.9	4135300.0	26.9	3.11	5.35	
2.89	YES								
L0005652		0	0.62820E-07	600814.1	4135291.0	27.0	3.11	5.35	

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2.89	YES							
L0005653		0	0.62820E-07	600821.3	4135282.1	27.4	3.11	5.35
2.89	YES							
L0005654		0	0.62820E-07	600828.4	4135273.1	27.0	3.11	5.35
2.89	YES							
L0005655		0	0.62820E-07	600835.6	4135264.1	26.8	3.11	5.35
2.89	YES							
L0005656		0	0.62820E-07	600842.8	4135255.1	27.2	3.11	5.35
2.89	YES							
L0005657		0	0.62820E-07	600850.0	4135246.1	27.4	3.11	5.35
2.89	YES							
L0005658		0	0.62820E-07	600857.2	4135237.2	26.7	3.11	5.35
2.89	YES							
L0005659		0	0.62820E-07	600864.4	4135228.2	26.8	3.11	5.35
2.89	YES							
L0005660		0	0.62820E-07	600871.6	4135219.2	27.5	3.11	5.35
2.89	YES							
L0005661		0	0.62820E-07	600878.7	4135210.2	27.6	3.11	5.35
2.89	YES							
L0005662		0	0.62220E-07	600652.7	4135829.9	27.7	3.11	5.35
2.89	YES							
L0005663		0	0.62220E-07	600644.0	4135822.3	27.6	3.11	5.35
2.89	YES							
L0005664		0	0.62220E-07	600635.4	4135814.8	27.5	3.11	5.35
2.89	YES							
L0005665		0	0.62220E-07	600626.7	4135807.2	27.4	3.11	5.35
2.89	YES							
L0005666		0	0.62220E-07	600618.1	4135799.6	27.4	3.11	5.35
2.89	YES							
L0005667		0	0.62220E-07	600609.4	4135792.0	27.3	3.11	5.35
2.89	YES							
L0005668		0	0.62220E-07	600600.8	4135784.4	27.2	3.11	5.35
2.89	YES							
L0005669		0	0.62220E-07	600592.1	4135776.8	27.0	3.11	5.35
2.89	YES							
L0005670		0	0.62220E-07	600583.5	4135769.2	26.9	3.11	5.35
2.89	YES							
L0005671		0	0.62220E-07	600574.9	4135761.7	26.9	3.11	5.35
2.89	YES							
L0005672		0	0.62220E-07	600566.2	4135754.1	26.8	3.11	5.35
2.89	YES							
L0005673		0	0.62220E-07	600557.6	4135746.5	26.8	3.11	5.35
2.89	YES							
L0005674		0	0.62220E-07	600548.9	4135738.9	26.8	3.11	5.35
2.89	YES							
L0005675		0	0.62220E-07	600540.3	4135731.3	26.9	3.11	5.35
2.89	YES							
L0005676		0	0.62220E-07	600531.6	4135723.7	26.9	3.11	5.35

650 N King ConstT4.ADO

2.89 YES

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0005677		0	0.62220E-07	600523.0	4135716.2	26.9	3.11	5.35
2.89	YES							
L0005678		0	0.62220E-07	600514.3	4135708.6	26.9	3.11	5.35
2.89	YES							
L0005679		0	0.62220E-07	600505.7	4135701.0	26.9	3.11	5.35
2.89	YES							
L0005680		0	0.62940E-07	600884.2	4135196.5	27.6	3.11	5.35
2.89	YES							
L0005681		0	0.62940E-07	600875.5	4135189.0	27.6	3.11	5.35
2.89	YES							
L0005682		0	0.62940E-07	600866.7	4135181.5	27.5	3.11	5.35
2.89	YES							
L0005683		0	0.62940E-07	600858.0	4135174.1	27.4	3.11	5.35
2.89	YES							
L0005684		0	0.62940E-07	600849.2	4135166.6	27.4	3.11	5.35
2.89	YES							
L0005685		0	0.62940E-07	600840.5	4135159.1	27.3	3.11	5.35
2.89	YES							
L0005686		0	0.62940E-07	600831.7	4135151.7	27.2	3.11	5.35
2.89	YES							
L0005687		0	0.62940E-07	600823.0	4135144.2	27.1	3.11	5.35
2.89	YES							
L0005688		0	0.62940E-07	600814.2	4135136.8	27.1	3.11	5.35
2.89	YES							
L0005689		0	0.62940E-07	600805.5	4135129.3	27.2	3.11	5.35
2.89	YES							
L0005690		0	0.62940E-07	600796.7	4135121.8	27.2	3.11	5.35



650 N King ConstT4.ADO

2.89	YES							
L0005691		0	0.62940E-07	600788.0	4135114.4	27.1	3.11	5.35
2.89	YES							
L0005692		0	0.62940E-07	600779.2	4135106.9	27.1	3.11	5.35
2.89	YES							
L0005693		0	0.62940E-07	600770.5	4135099.4	27.1	3.11	5.35
2.89	YES							
L0005694		0	0.62940E-07	600761.7	4135092.0	27.1	3.11	5.35
2.89	YES							
L0005695		0	0.62940E-07	600753.0	4135084.5	26.9	3.11	5.35
2.89	YES							
L0005696		0	0.62940E-07	600744.2	4135077.0	26.9	3.11	5.35
2.89	YES							
L0005697		0	0.62940E-07	600735.5	4135069.6	26.9	3.11	5.35
2.89	YES							
L0005698		0	0.62940E-07	600726.7	4135062.1	26.9	3.11	5.35
2.89	YES							
L0005699		0	0.62940E-07	600718.0	4135054.7	27.0	3.11	5.35
2.89	YES							
L0005700		0	0.62940E-07	600709.2	4135047.2	27.0	3.11	5.35
2.89	YES							
L0005701		0	0.62940E-07	600700.5	4135039.7	27.0	3.11	5.35
2.89	YES							
L0005702		0	0.62940E-07	600691.7	4135032.3	27.0	3.11	5.35
2.89	YES							
L0005703		0	0.62940E-07	600683.0	4135024.8	26.9	3.11	5.35
2.89	YES							
L0005704		0	0.62940E-07	600674.2	4135017.3	26.8	3.11	5.35
2.89	YES							
L0005705		0	0.62940E-07	600665.5	4135009.9	26.9	3.11	5.35
2.89	YES							
L0005706		0	0.62940E-07	600656.7	4135002.4	26.9	3.11	5.35
2.89	YES							
L0005707		0	0.62940E-07	600648.0	4134995.0	26.9	3.11	5.35
2.89	YES							
L0005708		0	0.62940E-07	600639.2	4134987.5	26.8	3.11	5.35
2.89	YES							
L0005709		0	0.62940E-07	600630.5	4134980.0	26.8	3.11	5.35
2.89	YES							
L0005710		0	0.62940E-07	600621.7	4134972.6	27.0	3.11	5.35
2.89	YES							
L0005711		0	0.62940E-07	600613.0	4134965.1	27.1	3.11	5.35
2.89	YES							
L0005712		0	0.62940E-07	600604.3	4134957.6	27.0	3.11	5.35
2.89	YES							
L0005713		0	0.62940E-07	600595.5	4134950.1	27.0	3.11	5.35
2.89	YES							
L0005714		0	0.62940E-07	600586.8	4134942.7	26.9	3.11	5.35

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2.89 YES  
L0005715 0 0.62940E-07 600578.1 4134935.2 26.9 3.11 5.35

2.89 YES  
L0005716 0 0.62940E-07 600569.3 4134927.7 27.0 3.11 5.35

2.89 YES  
▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

L0005717	0	0.62940E-07	600560.6	4134920.2	27.3	3.11	5.35
2.89 YES							
L0005718	0	0.62940E-07	600551.8	4134912.8	27.8	3.11	5.35
2.89 YES							
L0005719	0	0.62940E-07	600543.1	4134905.3	28.3	3.11	5.35
2.89 YES							
L0005720	0	0.62940E-07	600534.4	4134897.8	28.6	3.11	5.35
2.89 YES							
L0005721	0	0.62940E-07	600525.6	4134890.3	28.9	3.11	5.35
2.89 YES							
L0005722	0	0.62940E-07	600516.9	4134882.9	29.2	3.11	5.35
2.89 YES							
L0005723	0	0.62940E-07	600508.2	4134875.4	30.2	3.11	5.35
2.89 YES							
L0005724	0	0.62940E-07	600500.2	4134867.1	30.5	3.11	5.35
2.89 YES							
L0005725	0	0.62940E-07	600492.9	4134858.2	31.0	3.11	5.35
2.89 YES							
L0005726	0	0.62940E-07	600485.7	4134849.3	31.8	3.11	5.35
2.89 YES							
L0005727	0	0.62940E-07	600478.4	4134840.4	32.6	3.11	5.35
2.89 YES							
L0005728	0	0.62940E-07	600471.1	4134831.5	32.9	3.11	5.35

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2.89	YES							
L0005729		0	0.62940E-07	600463.8	4134822.6	33.3	3.11	5.35
2.89	YES							
L0005730		0	0.62940E-07	600456.6	4134813.7	33.8	3.11	5.35
2.89	YES							
L0005731		0	0.15820E-05	600617.7	4135844.9	28.0	3.11	5.35
2.89	YES							
L0005732		0	0.15820E-05	600609.4	4135837.0	27.6	3.11	5.35
2.89	YES							
L0005733		0	0.15820E-05	600601.1	4135829.0	27.3	3.11	5.35
2.89	YES							
L0005734		0	0.15820E-05	600592.9	4135821.0	27.2	3.11	5.35
2.89	YES							
L0005735		0	0.15820E-05	600584.6	4135813.0	27.2	3.11	5.35
2.89	YES							
L0005736		0	0.15820E-05	600576.3	4135805.0	27.1	3.11	5.35
2.89	YES							
L0005737		0	0.15820E-05	600568.1	4135797.0	26.9	3.11	5.35
2.89	YES							
L0005738		0	0.15820E-05	600559.8	4135789.0	26.9	3.11	5.35
2.89	YES							
L0005739		0	0.15820E-05	600551.5	4135781.0	26.8	3.11	5.35
2.89	YES							
L0005740		0	0.15820E-05	600543.2	4135773.0	26.7	3.11	5.35
2.89	YES							
L0005741		0	0.15820E-05	600535.0	4135765.0	26.7	3.11	5.35
2.89	YES							
L0005742		0	0.15820E-05	600526.7	4135757.0	26.8	3.11	5.35
2.89	YES							
L0005743		0	0.15820E-05	600518.4	4135749.0	26.8	3.11	5.35
2.89	YES							
L0005744		0	0.15820E-05	600510.2	4135741.1	27.0	3.11	5.35
2.89	YES							
L0005745		0	0.15820E-05	600501.9	4135733.1	27.1	3.11	5.35
2.89	YES							
L0005746		0	0.15820E-05	600493.8	4135729.5	27.1	3.11	5.35
2.89	YES							
L0005747		0	0.15820E-05	600486.0	4135737.9	27.1	3.11	5.35
2.89	YES							
L0005748		0	0.15820E-05	600478.2	4135746.4	27.1	3.11	5.35
2.89	YES							
L0005749		0	0.15820E-05	600480.8	4135754.3	27.2	3.11	5.35
2.89	YES							
L0005750		0	0.15820E-05	600489.4	4135762.0	27.3	3.11	5.35
2.89	YES							
L0005751		0	0.15820E-05	600498.0	4135769.6	27.3	3.11	5.35
2.89	YES							
L0005752		0	0.15820E-05	600506.6	4135777.3	27.1	3.11	5.35

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2.89	YES	L0005753	0	0.15820E-05	600515.2	4135784.9	27.0	3.11	5.35
2.89	YES	L0005754	0	0.15820E-05	600523.8	4135792.6	26.9	3.11	5.35
2.89	YES	L0005755	0	0.15820E-05	600532.4	4135800.2	27.0	3.11	5.35
2.89	YES	L0005756	0	0.15820E-05	600540.9	4135807.9	27.0	3.11	5.35

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						
L0005757		0	0.15820E-05	600549.5	4135815.5	27.1	3.11	5.35	
2.89	YES	L0005758	0	0.15820E-05	600558.1	4135823.1	27.2	3.11	5.35
2.89	YES	L0005759	0	0.15820E-05	600566.7	4135830.8	27.2	3.11	5.35
2.89	YES	L0005760	0	0.15820E-05	600575.3	4135838.4	27.3	3.11	5.35
2.89	YES	L0005761	0	0.15820E-05	600583.9	4135846.1	27.4	3.11	5.35
2.89	YES	L0005762	0	0.15820E-05	600592.5	4135853.7	27.7	3.11	5.35
2.89	YES	L0005763	0	0.15820E-05	600601.1	4135861.4	28.2	3.11	5.35
2.89	YES	L0005764	0	0.15820E-05	600603.1	4135869.3	28.2	3.11	5.35
2.89	YES	L0005765	0	0.15820E-05	600595.3	4135877.7	28.1	3.11	5.35
2.89	YES	L0005766	0	0.15820E-05	600587.4	4135886.2	28.0	3.11	5.35

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2.89	YES							
L0005767		0	0.15820E-05	600579.3	4135884.3	27.7	3.11	5.35
2.89	YES							
L0005768		0	0.15820E-05	600571.1	4135876.2	27.4	3.11	5.35
2.89	YES							
L0005769		0	0.15820E-05	600562.8	4135868.2	27.2	3.11	5.35
2.89	YES							
L0005770		0	0.15820E-05	600554.6	4135860.2	27.2	3.11	5.35
2.89	YES							
L0005771		0	0.15820E-05	600546.4	4135852.2	27.2	3.11	5.35
2.89	YES							
L0005772		0	0.15820E-05	600538.1	4135844.2	27.2	3.11	5.35
2.89	YES							
L0005773		0	0.15820E-05	600529.9	4135836.2	27.3	3.11	5.35
2.89	YES							
L0005774		0	0.15820E-05	600521.6	4135828.1	27.2	3.11	5.35
2.89	YES							
L0005775		0	0.15820E-05	600513.4	4135820.1	27.2	3.11	5.35
2.89	YES							
L0005776		0	0.15820E-05	600505.1	4135812.1	27.2	3.11	5.35
2.89	YES							
L0005777		0	0.15820E-05	600496.9	4135804.1	27.3	3.11	5.35
2.89	YES							
L0005778		0	0.15820E-05	600488.6	4135796.1	27.3	3.11	5.35
2.89	YES							
L0005779		0	0.15820E-05	600480.4	4135788.0	27.3	3.11	5.35
2.89	YES							
L0005780		0	0.15820E-05	600472.2	4135780.0	27.2	3.11	5.35
2.89	YES							
L0005781		0	0.15820E-05	600463.9	4135772.0	27.2	3.11	5.35
2.89	YES							
L0005782		0	0.15820E-05	600456.3	4135771.5	27.1	3.11	5.35
2.89	YES							
L0005783		0	0.15820E-05	600449.5	4135780.8	27.1	3.11	5.35
2.89	YES							
L0005784		0	0.15820E-05	600442.8	4135790.1	27.0	3.11	5.35
2.89	YES							
L0005785		0	0.15820E-05	600448.8	4135797.9	27.0	3.11	5.35
2.89	YES							
L0005786		0	0.15820E-05	600457.5	4135805.4	27.3	3.11	5.35
2.89	YES							
L0005787		0	0.15820E-05	600466.2	4135812.9	27.4	3.11	5.35
2.89	YES							
L0005788		0	0.15820E-05	600475.0	4135820.4	27.4	3.11	5.35
2.89	YES							
L0005789		0	0.15820E-05	600483.7	4135827.9	27.5	3.11	5.35
2.89	YES							
L0005790		0	0.15820E-05	600492.4	4135835.4	27.4	3.11	5.35

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2.89	YES	L0005791	0	0.15820E-05	600501.1	4135842.9	27.4	3.11	5.35
2.89	YES	L0005792	0	0.15820E-05	600509.9	4135850.4	27.4	3.11	5.35
2.89	YES	L0005793	0	0.15820E-05	600518.6	4135857.8	27.4	3.11	5.35
2.89	YES	L0005794	0	0.15820E-05	600527.3	4135865.3	27.3	3.11	5.35
2.89	YES	L0005795	0	0.15820E-05	600536.0	4135872.8	27.2	3.11	5.35
2.89	YES	L0005796	0	0.15820E-05	600544.8	4135880.3	27.2	3.11	5.35

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0005797		0	0.15820E-05	600553.5	4135887.8	27.2	3.11	5.35	
2.89	YES	L0005798	0	0.15820E-05	600562.2	4135895.3	27.3	3.11	5.35
2.89	YES	L0005799	0	0.15820E-05	600570.9	4135902.8	27.6	3.11	5.35
2.89	YES	L0005800	0	0.15820E-05	600568.0	4135911.4	27.6	3.11	5.35
2.89	YES	L0005801	0	0.15820E-05	600560.9	4135920.4	27.6	3.11	5.35
2.89	YES	L0005802	0	0.15820E-05	600552.9	4135921.1	27.5	3.11	5.35
2.89	YES	L0005803	0	0.15820E-05	600544.2	4135913.7	27.3	3.11	5.35
2.89	YES	L0005804	0	0.15820E-05	600535.4	4135906.3	27.3	3.11	5.35

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2.89	YES							
L0005805		0	0.15820E-05	600526.6	4135898.9	27.3	3.11	5.35
2.89	YES							
L0005806		0	0.15820E-05	600517.8	4135891.4	27.4	3.11	5.35
2.89	YES							
L0005807		0	0.15820E-05	600509.0	4135884.0	27.4	3.11	5.35
2.89	YES							
L0005808		0	0.15820E-05	600500.2	4135876.6	27.5	3.11	5.35
2.89	YES							
L0005809		0	0.15820E-05	600491.5	4135869.1	27.5	3.11	5.35
2.89	YES							
L0005810		0	0.15820E-05	600482.7	4135861.7	27.5	3.11	5.35
2.89	YES							
L0005811		0	0.15820E-05	600473.9	4135854.3	27.5	3.11	5.35
2.89	YES							
L0005812		0	0.15820E-05	600465.1	4135846.9	27.6	3.11	5.35
2.89	YES							
L0005813		0	0.15820E-05	600456.3	4135839.4	27.7	3.11	5.35
2.89	YES							
L0005814		0	0.15820E-05	600447.6	4135832.0	27.8	3.11	5.35
2.89	YES							
L0005815		0	0.15820E-05	600438.8	4135824.6	27.7	3.11	5.35
2.89	YES							
L0005816		0	0.15820E-05	600430.0	4135817.2	27.4	3.11	5.35
2.89	YES							
L0005817		0	0.15820E-05	600421.5	4135814.5	27.4	3.11	5.35
2.89	YES							
L0005818		0	0.15820E-05	600413.7	4135822.9	27.4	3.11	5.35
2.89	YES							
L0005819		0	0.15820E-05	600405.9	4135831.4	27.3	3.11	5.35
2.89	YES							
L0005820		0	0.15820E-05	600411.0	4135838.7	27.3	3.11	5.35
2.89	YES							
L0005821		0	0.15820E-05	600420.1	4135845.7	27.5	3.11	5.35
2.89	YES							
L0005822		0	0.15820E-05	600429.3	4135852.6	27.5	3.11	5.35
2.89	YES							
L0005823		0	0.15820E-05	600438.5	4135859.6	27.5	3.11	5.35
2.89	YES							
L0005824		0	0.15820E-05	600447.6	4135866.5	27.6	3.11	5.35
2.89	YES							
L0005825		0	0.15820E-05	600456.8	4135873.5	27.6	3.11	5.35
2.89	YES							
L0005826		0	0.15820E-05	600465.9	4135880.4	27.6	3.11	5.35
2.89	YES							
L0005827		0	0.15820E-05	600475.1	4135887.4	27.6	3.11	5.35
2.89	YES							
L0005828		0	0.15820E-05	600484.2	4135894.3	27.6	3.11	5.35

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2.89	YES							
L0005829		0	0.15820E-05	600493.4	4135901.3	27.6	3.11	5.35
2.89	YES							
L0005830		0	0.15820E-05	600502.6	4135908.3	27.5	3.11	5.35
2.89	YES							
L0005831		0	0.15820E-05	600511.7	4135915.2	27.4	3.11	5.35
2.89	YES							
L0005832		0	0.15820E-05	600520.9	4135922.2	27.3	3.11	5.35
2.89	YES							
L0005833		0	0.15820E-05	600530.0	4135929.1	27.5	3.11	5.35
2.89	YES							
L0005834		0	0.15820E-05	600539.2	4135936.1	27.8	3.11	5.35
2.89	YES							
L0005835		0	0.15820E-05	600536.5	4135945.7	28.0	3.11	5.35
2.89	YES							
L0005836		0	0.15820E-05	600531.1	4135955.8	28.1	3.11	5.35

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0005837		0	0.15820E-05	600523.4	4135955.3	28.0	3.11	5.35
2.89	YES							
L0005838		0	0.15820E-05	600514.3	4135948.2	27.8	3.11	5.35
2.89	YES							
L0005839		0	0.15820E-05	600505.2	4135941.2	27.7	3.11	5.35
2.89	YES							
L0005840		0	0.15820E-05	600496.1	4135934.1	27.6	3.11	5.35
2.89	YES							
L0005841		0	0.15820E-05	600487.1	4135927.1	27.6	3.11	5.35
2.89	YES							
L0005842		0	0.15820E-05	600478.0	4135920.1	27.5	3.11	5.35



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2.89	YES	L0005843	0	0.15820E-05	600468.9	4135913.0	27.5	3.11	5.35
2.89	YES	L0005844	0	0.15820E-05	600459.8	4135906.0	27.6	3.11	5.35
2.89	YES	L0005845	0	0.15820E-05	600450.7	4135898.9	27.6	3.11	5.35
2.89	YES	L0005846	0	0.15820E-05	600441.6	4135891.9	27.6	3.11	5.35
2.89	YES	L0005847	0	0.15820E-05	600432.5	4135884.8	27.6	3.11	5.35
2.89	YES	L0005848	0	0.15820E-05	600423.4	4135877.8	27.5	3.11	5.35
2.89	YES	L0005849	0	0.15820E-05	600414.3	4135870.8	27.4	3.11	5.35
2.89	YES	L0005850	0	0.15820E-05	600405.2	4135863.7	27.2	3.11	5.35
2.89	YES	L0005851	0	0.15820E-05	600396.1	4135856.7	27.0	3.11	5.35
2.89	YES	L0005852	0	0.15820E-05	600387.1	4135849.6	27.0	3.11	5.35

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0005517 , L0005518 , L0005519 , L0005520 , L0005521 ,
L0005522	, L0005523 , L0005524 ,
L0005530	L0005525 , L0005526 , L0005527 , L0005528 , L0005529 ,
	, L0005531 , L0005532 ,
L0005538	L0005533 , L0005534 , L0005535 , L0005536 , L0005537 ,
	, L0005539 , L0005540 ,
L0005546	L0005541 , L0005542 , L0005543 , L0005544 , L0005545 ,
	, L0005547 , L0005548 ,

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L0005554	L0005549 , L0005555	, L0005550 , L0005556	, L0005551 ,	, L0005552	, L0005553	,
L0005562	L0005557 , L0005563	, L0005558 , L0005564	, L0005559 ,	, L0005560	, L0005561	,
L0005570	L0005565 , L0005571	, L0005566 , L0005572	, L0005567 ,	, L0005568	, L0005569	,
L0005578	L0005573 , L0005579	, L0005574 , L0005580	, L0005575 ,	, L0005576	, L0005577	,
L0005586	L0005581 , L0005587	, L0005582 , L0005588	, L0005583 ,	, L0005584	, L0005585	,
L0005594	L0005589 , L0005595	, L0005590 , L0005596	, L0005591 ,	, L0005592	, L0005593	,
L0005602	L0005597 , L0005603	, L0005598 , L0005604	, L0005599 ,	, L0005600	, L0005601	,
L0005610	L0005605 , L0005611	, L0005606 , L0005612	, L0005607 ,	, L0005608	, L0005609	,
L0005618	L0005613 , L0005619	, L0005614 , L0005620	, L0005615 ,	, L0005616	, L0005617	,
L0005626	L0005621 , L0005627	, L0005622 , L0005628	, L0005623 ,	, L0005624	, L0005625	,
L0005634	L0005629 , L0005635	, L0005630 , L0005636	, L0005631 ,	, L0005632	, L0005633	,
L0005642	L0005637 , L0005643	, L0005638 , L0005644	, L0005639 ,	, L0005640	, L0005641	,
L0005650	L0005645 , L0005651	, L0005646 , L0005652	, L0005647 ,	, L0005648	, L0005649	,
L0005658	L0005653 , L0005659	, L0005654 , L0005660	, L0005655 ,	, L0005656	, L0005657	,
L0005666	L0005661 , L0005667	, L0005662 , L0005668	, L0005663 ,	, L0005664	, L0005665	,
L0005674	L0005669 , L0005675	, L0005670 , L0005676	, L0005671 ,	, L0005672	, L0005673	,

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0005682	L0005677 , L0005678 , L0005679 , L0005680 , L0005681 , , L0005683 , L0005684 ,
L0005690	L0005685 , L0005686 , L0005687 , L0005688 , L0005689 , , L0005691 , L0005692 ,
L0005698	L0005693 , L0005694 , L0005695 , L0005696 , L0005697 , , L0005699 , L0005700 ,
L0005706	L0005701 , L0005702 , L0005703 , L0005704 , L0005705 , , L0005707 , L0005708 ,
L0005714	L0005709 , L0005710 , L0005711 , L0005712 , L0005713 , , L0005715 , L0005716 ,
L0005722	L0005717 , L0005718 , L0005719 , L0005720 , L0005721 , , L0005723 , L0005724 ,
L0005730	L0005725 , L0005726 , L0005727 , L0005728 , L0005729 , , L0005731 , L0005732 ,
L0005738	L0005733 , L0005734 , L0005735 , L0005736 , L0005737 , , L0005739 , L0005740 ,
L0005746	L0005741 , L0005742 , L0005743 , L0005744 , L0005745 , , L0005747 , L0005748 ,
L0005754	L0005749 , L0005750 , L0005751 , L0005752 , L0005753 , , L0005755 , L0005756 ,
L0005762	L0005757 , L0005758 , L0005759 , L0005760 , L0005761 , , L0005763 , L0005764 ,

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L0005770 L0005765 , L0005766 , L0005767 , L0005768 , L0005769 ,  
 , L0005771 , L0005772 , ,  
  
L0005778 L0005773 , L0005774 , L0005775 , L0005776 , L0005777 ,  
 , L0005779 , L0005780 , ,  
  
L0005786 L0005781 , L0005782 , L0005783 , L0005784 , L0005785 ,  
 , L0005787 , L0005788 , ,  
  
L0005794 L0005789 , L0005790 , L0005791 , L0005792 , L0005793 ,  
 , L0005795 , L0005796 , ,  
  
L0005802 L0005797 , L0005798 , L0005799 , L0005800 , L0005801 ,  
 , L0005803 , L0005804 , ,  
  
L0005810 L0005805 , L0005806 , L0005807 , L0005808 , L0005809 ,  
 , L0005811 , L0005812 , ,  
  
L0005818 L0005813 , L0005814 , L0005815 , L0005816 , L0005817 ,  
 , L0005819 , L0005820 , ,  
  
L0005826 L0005821 , L0005822 , L0005823 , L0005824 , L0005825 ,  
 , L0005827 , L0005828 , ,  
  
L0005834 L0005829 , L0005830 , L0005831 , L0005832 , L0005833 ,  
 , L0005835 , L0005836 , ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID  
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SOURCE IDs  
-----

L0005842 L0005837 , L0005838 , L0005839 , L0005840 , L0005841 ,  
 , L0005843 , L0005844 , ,  
  
L0005850 L0005845 , L0005846 , L0005847 , L0005848 , L0005849 ,  
 , L0005851 , L0005852 , ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
L0005521 L0005524	1928000. , L0005522 ,	L0005517 , L0005523	, L0005518 ,	, L0005519 ,	, L0005520 ,	
L0005530	L0005525 , L0005531	, L0005526 , L0005532	, L0005527 ,	, L0005528 ,	, L0005529 ,	
L0005538	L0005533 , L0005539	, L0005534 , L0005540	, L0005535 ,	, L0005536 ,	, L0005537 ,	
L0005546	L0005541 , L0005547	, L0005542 , L0005548	, L0005543 ,	, L0005544 ,	, L0005545 ,	
L0005554	L0005549 , L0005555	, L0005550 , L0005556	, L0005551 ,	, L0005552 ,	, L0005553 ,	
L0005562	L0005557 , L0005563	, L0005558 , L0005564	, L0005559 ,	, L0005560 ,	, L0005561 ,	
L0005570	L0005565 , L0005571	, L0005566 , L0005572	, L0005567 ,	, L0005568 ,	, L0005569 ,	
L0005578	L0005573 , L0005579	, L0005574 , L0005580	, L0005575 ,	, L0005576 ,	, L0005577 ,	
L0005586	L0005581 , L0005587	, L0005582 , L0005588	, L0005583 ,	, L0005584 ,	, L0005585 ,	
L0005594	L0005589 , L0005595	, L0005590 , L0005596	, L0005591 ,	, L0005592 ,	, L0005593 ,	
	L0005597	, L0005598	, L0005599	, L0005600	, L0005601	

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L0005602 , L0005603 , L0005604 ,  
 L0005610 , L0005611 , L0005612 , L0005613 , L0005614 , L0005615 , L0005616 , L0005617 ,  
 L0005618 , L0005619 , L0005620 , L0005621 , L0005622 , L0005623 , L0005624 , L0005625 ,  
 L0005626 , L0005627 , L0005628 , L0005629 , L0005630 , L0005631 , L0005632 , L0005633 ,  
 L0005634 , L0005635 , L0005636 , L0005637 , L0005638 , L0005639 , L0005640 , L0005641 ,  
 L0005642 , L0005643 , L0005644 , L0005645 , L0005646 , L0005647 , L0005648 , L0005649 ,  
 L0005650 , L0005651 , L0005652 , L0005653 , L0005654 , L0005655 , L0005656 , L0005657 ,  
 L0005658 , L0005659 , L0005660 , L0005661 , L0005662 , L0005663 , L0005664 , L0005665 ,  
 L0005666 , L0005667 , L0005668 , L0005669 , L0005670 , L0005671 , L0005672 , L0005673 ,  
 L0005674 , L0005675 , L0005676 ,

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0005682	L0005677 , L0005678 , L0005679 , L0005680 , L0005681 , L0005682 , L0005683 , L0005684 ,	
	L0005685 , L0005686 , L0005687 , L0005688 , L0005689 ,	

650 N King ConstT4.ADO

L0005690 , L0005691 , L0005692 ,  
L0005698 , L0005693 , L0005694 , L0005695 , L0005696 , L0005697 ,  
L0005706 , L0005701 , L0005702 , L0005703 , L0005704 , L0005705 ,  
L0005714 , L0005709 , L0005710 , L0005711 , L0005712 , L0005713 ,  
L0005722 , L0005717 , L0005718 , L0005719 , L0005720 , L0005721 ,  
L0005730 , L0005725 , L0005726 , L0005727 , L0005728 , L0005729 ,  
L0005738 , L0005733 , L0005734 , L0005735 , L0005736 , L0005737 ,  
L0005746 , L0005741 , L0005742 , L0005743 , L0005744 , L0005745 ,  
L0005754 , L0005749 , L0005750 , L0005751 , L0005752 , L0005753 ,  
L0005762 , L0005757 , L0005758 , L0005759 , L0005760 , L0005761 ,  
L0005770 , L0005765 , L0005766 , L0005767 , L0005768 , L0005769 ,  
L0005778 , L0005773 , L0005774 , L0005775 , L0005776 , L0005777 ,  
L0005786 , L0005781 , L0005782 , L0005783 , L0005784 , L0005785 ,  
L0005794 , L0005789 , L0005790 , L0005791 , L0005792 , L0005793 ,  
L0005802 , L0005797 , L0005798 , L0005799 , L0005800 , L0005801 ,  
L0005810 , L0005805 , L0005806 , L0005807 , L0005808 , L0005809 ,  
L0005813 , L0005814 , L0005815 , L0005816 , L0005817 ,

650 N King ConstT4.ADO

L0005818 , L0005819 , L0005820 ,  
 L0005821 , L0005822 , L0005823 , L0005824 , L0005825 ,  
 L0005826 , L0005827 , L0005828 ,  
 L0005829 , L0005830 , L0005831 , L0005832 , L0005833 ,  
 L0005834 , L0005835 , L0005836 ,  
 \*\*\* AERMOD - VERSION 21112 \*\*\* 650 N King Construction Mitigated  
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 \*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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URBAN ID	URBAN POP	SOURCE IDs
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L0005842	L0005837 , L0005843	L0005838 , L0005844	L0005839 , L0005845	L0005840 , L0005846	L0005841 , L0005847
L0005850	L0005845 , L0005851	L0005846 , L0005852	L0005847 , L0005853	L0005848 , L0005854	L0005849 , L0005855
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600316.3, 4135009.3,	27.0,	27.0,	0.0);	( 600366.3,
4135009.3, 27.1,	27.1,	0.0);		
( 600416.3, 4135009.3,	26.2,	26.2,	0.0);	( 600466.3,
4135009.3, 26.4,	26.4,	0.0);		
( 600516.3, 4135009.3,	26.7,	26.7,	0.0);	( 600566.3,
4135009.3, 26.8,	26.8,	0.0);		
( 600616.3, 4135009.3,	26.6,	26.6,	0.0);	( 600666.3,
4135009.3, 26.9,	26.9,	0.0);		



650 N King ConstT4.ADO

( 600716.3, 4135009.3, 27.2, 27.2, 0.0); ( 600766.3,  
4135009.3, 27.0, 27.0, 0.0);  
( 600816.3, 4135009.3, 27.2, 27.2, 0.0); ( 600866.3,  
4135009.3, 27.3, 27.3, 0.0);  
( 600916.3, 4135009.3, 27.2, 27.2, 0.0); ( 600966.3,  
4135009.3, 27.2, 27.2, 0.0);  
( 601016.3, 4135009.3, 27.2, 27.2, 0.0); ( 601066.3,  
4135009.3, 27.2, 27.2, 0.0);  
( 600316.3, 4135059.3, 27.1, 27.1, 0.0); ( 600366.3,  
4135059.3, 26.8, 26.8, 0.0);  
( 600416.3, 4135059.3, 26.4, 26.4, 0.0); ( 600466.3,  
4135059.3, 26.4, 26.4, 0.0);  
( 600516.3, 4135059.3, 26.2, 26.2, 0.0); ( 600566.3,  
4135059.3, 26.7, 26.7, 0.0);  
( 600616.3, 4135059.3, 26.8, 26.8, 0.0); ( 600666.3,  
4135059.3, 26.8, 26.8, 0.0);  
( 600716.3, 4135059.3, 26.9, 26.9, 0.0); ( 600766.3,  
4135059.3, 27.0, 27.0, 0.0);  
( 600816.3, 4135059.3, 27.1, 27.1, 0.0); ( 600866.3,  
4135059.3, 27.3, 27.3, 0.0);  
( 600916.3, 4135059.3, 27.2, 27.2, 0.0); ( 600966.3,  
4135059.3, 27.1, 27.1, 0.0);  
( 601016.3, 4135059.3, 27.2, 27.2, 0.0); ( 601066.3,  
4135059.3, 26.7, 26.7, 0.0);  
( 600266.3, 4135109.3, 24.8, 27.6, 0.0); ( 600316.3,  
4135109.3, 27.0, 27.0, 0.0);  
( 600366.3, 4135109.3, 27.0, 27.0, 0.0); ( 600416.3,  
4135109.3, 26.7, 26.7, 0.0);  
( 600466.3, 4135109.3, 26.4, 26.4, 0.0); ( 600516.3,  
4135109.3, 26.5, 26.5, 0.0);  
( 600566.3, 4135109.3, 26.7, 26.7, 0.0); ( 600616.3,  
4135109.3, 26.6, 26.6, 0.0);  
( 600666.3, 4135109.3, 26.8, 26.8, 0.0); ( 600716.3,  
4135109.3, 26.8, 26.8, 0.0);  
( 600766.3, 4135109.3, 27.0, 27.0, 0.0); ( 600816.3,  
4135109.3, 27.2, 27.2, 0.0);  
( 600866.3, 4135109.3, 27.3, 27.3, 0.0); ( 600916.3,  
4135109.3, 27.2, 27.2, 0.0);  
( 600966.3, 4135109.3, 27.3, 27.3, 0.0); ( 601016.3,  
4135109.3, 27.9, 27.9, 0.0);  
( 601066.3, 4135109.3, 27.7, 27.7, 0.0); ( 600316.3,  
4135159.3, 24.1, 27.1, 0.0);  
( 600366.3, 4135159.3, 27.0, 27.0, 0.0); ( 600416.3,  
4135159.3, 26.8, 26.8, 0.0);  
( 600466.3, 4135159.3, 26.5, 26.5, 0.0); ( 600516.3,  
4135159.3, 26.9, 26.9, 0.0);  
( 600566.3, 4135159.3, 26.7, 26.7, 0.0); ( 600616.3,  
4135159.3, 26.5, 26.5, 0.0);

650 N King ConstT4.ADO

( 600666.3, 4135159.3,	26.7,	26.7,	0.0);	( 600716.3,
4135159.3, 26.7,	26.7,	0.0);		
( 600766.3, 4135159.3,	27.1,	27.1,	0.0);	( 600816.3,
4135159.3, 27.2,	27.2,	0.0);		
( 600866.3, 4135159.3,	27.4,	27.4,	0.0);	( 600916.3,
4135159.3, 27.4,	27.4,	0.0);		
( 600966.3, 4135159.3,	27.7,	28.1,	0.0);	( 601016.3,
4135159.3, 27.9,	27.9,	0.0);		
( 601066.3, 4135159.3,	28.4,	28.4,	0.0);	( 600366.3,
4135209.3, 24.9,	27.0,	0.0);		
( 600416.3, 4135209.3,	26.6,	26.6,	0.0);	( 600466.3,
4135209.3, 26.8,	26.8,	0.0);		
( 600516.3, 4135209.3,	26.7,	26.7,	0.0);	( 600566.3,
4135209.3, 26.5,	26.5,	0.0);		
( 600616.3, 4135209.3,	26.9,	26.9,	0.0);	( 600666.3,
4135209.3, 26.5,	26.5,	0.0);		
( 600716.3, 4135209.3,	26.4,	26.4,	0.0);	( 600766.3,
4135209.3, 27.2,	27.2,	0.0);		
( 600816.3, 4135209.3,	27.8,	27.8,	0.0);	( 600866.3,
4135209.3, 27.0,	27.0,	0.0);		
( 600916.3, 4135209.3,	27.6,	27.6,	0.0);	( 600966.3,
4135209.3, 26.7,	28.1,	0.0);		
( 601016.3, 4135209.3,	26.5,	26.5,	0.0);	( 601066.3,
4135209.3, 26.4,	27.6,	0.0);		
( 600366.3, 4135259.3,	23.6,	23.6,	0.0);	( 600416.3,
4135259.3, 26.6,	26.6,	0.0);		
( 600466.3, 4135259.3,	26.9,	26.9,	0.0);	( 600516.3,
4135259.3, 26.6,	26.6,	0.0);		
( 600566.3, 4135259.3,	26.9,	26.9,	0.0);	( 600616.3,
4135259.3, 26.8,	26.8,	0.0);		
( 600666.3, 4135259.3,	26.8,	26.8,	0.0);	( 600716.3,
4135259.3, 26.8,	26.8,	0.0);		
( 600766.3, 4135259.3,	26.7,	26.7,	0.0);	( 600816.3,
4135259.3, 25.3,	27.5,	0.0);		

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600866.3, 4135259.3,	27.5,	27.5,	0.0);	( 600916.3,
4135259.3, 27.5,	27.5,	0.0);		

650 N King ConstT4.ADO

( 600966.3, 4135259.3, 27.4, 27.4, 0.0); ( 601016.3,  
4135259.3, 28.0, 28.0, 0.0);  
( 601066.3, 4135259.3, 28.0, 28.0, 0.0); ( 600416.3,  
4135309.3, 26.6, 26.6, 0.0);  
( 600466.3, 4135309.3, 26.6, 26.6, 0.0); ( 600516.3,  
4135309.3, 27.0, 27.0, 0.0);  
( 600566.3, 4135309.3, 27.0, 27.0, 0.0); ( 600616.3,  
4135309.3, 26.9, 26.9, 0.0);  
( 600666.3, 4135309.3, 27.1, 27.1, 0.0); ( 600716.3,  
4135309.3, 26.5, 26.5, 0.0);  
( 600766.3, 4135309.3, 26.0, 26.0, 0.0); ( 600816.3,  
4135309.3, 27.0, 27.0, 0.0);  
( 600866.3, 4135309.3, 27.4, 27.4, 0.0); ( 600916.3,  
4135309.3, 27.6, 27.6, 0.0);  
( 600966.3, 4135309.3, 27.6, 27.6, 0.0); ( 601016.3,  
4135309.3, 27.9, 27.9, 0.0);  
( 601066.3, 4135309.3, 28.1, 28.1, 0.0); ( 600416.3,  
4135359.3, 23.9, 27.1, 0.0);  
( 600466.3, 4135359.3, 25.9, 25.9, 0.0); ( 600516.3,  
4135359.3, 26.9, 26.9, 0.0);  
( 600566.3, 4135359.3, 26.8, 26.8, 0.0); ( 600616.3,  
4135359.3, 27.2, 27.2, 0.0);  
( 600666.3, 4135359.3, 26.8, 26.8, 0.0); ( 600716.3,  
4135359.3, 26.8, 26.8, 0.0);  
( 600766.3, 4135359.3, 27.0, 27.0, 0.0); ( 600816.3,  
4135359.3, 27.0, 27.0, 0.0);  
( 600866.3, 4135359.3, 26.8, 26.8, 0.0); ( 600916.3,  
4135359.3, 27.2, 27.2, 0.0);  
( 600966.3, 4135359.3, 27.4, 27.4, 0.0); ( 601016.3,  
4135359.3, 27.6, 27.6, 0.0);  
( 601066.3, 4135359.3, 27.9, 27.9, 0.0); ( 600466.3,  
4135409.3, 24.8, 27.2, 0.0);  
( 600516.3, 4135409.3, 24.8, 26.9, 0.0); ( 600566.3,  
4135409.3, 26.7, 26.7, 0.0);  
( 600616.3, 4135409.3, 27.0, 27.0, 0.0); ( 600666.3,  
4135409.3, 26.3, 26.3, 0.0);  
( 600716.3, 4135409.3, 27.2, 27.2, 0.0); ( 600766.3,  
4135409.3, 27.0, 27.0, 0.0);  
( 600816.3, 4135409.3, 26.8, 26.8, 0.0); ( 600866.3,  
4135409.3, 27.2, 27.2, 0.0);  
( 600916.3, 4135409.3, 26.9, 26.9, 0.0); ( 600966.3,  
4135409.3, 27.4, 27.4, 0.0);  
( 601016.3, 4135409.3, 27.7, 27.7, 0.0); ( 601066.3,  
4135409.3, 28.1, 28.1, 0.0);  
( 600566.3, 4135459.3, 27.4, 27.4, 0.0); ( 600616.3,  
4135459.3, 27.5, 27.5, 0.0);  
( 600666.3, 4135459.3, 27.0, 27.0, 0.0); ( 600716.3,  
4135459.3, 27.0, 27.0, 0.0);

650 N King ConstT4.ADO

( 600766.3, 4135459.3, 26.9, 26.9, 0.0); ( 600816.3,  
4135459.3, 27.2, 27.2, 0.0);  
( 600866.3, 4135459.3, 26.6, 26.6, 0.0); ( 600916.3,  
4135459.3, 27.6, 27.6, 0.0);  
( 600966.3, 4135459.3, 27.8, 27.8, 0.0); ( 601016.3,  
4135459.3, 27.7, 27.7, 0.0);  
( 601066.3, 4135459.3, 28.3, 28.3, 0.0); ( 600666.3,  
4135509.3, 27.0, 27.0, 0.0);  
( 600716.3, 4135509.3, 26.8, 26.8, 0.0); ( 600766.3,  
4135509.3, 27.2, 27.2, 0.0);  
( 600816.3, 4135509.3, 26.9, 26.9, 0.0); ( 600866.3,  
4135509.3, 27.4, 27.4, 0.0);  
( 600916.3, 4135509.3, 27.7, 27.7, 0.0); ( 600966.3,  
4135509.3, 28.1, 28.1, 0.0);  
( 601016.3, 4135509.3, 27.9, 27.9, 0.0); ( 601066.3,  
4135509.3, 28.0, 28.0, 0.0);  
( 600616.3, 4135559.3, 27.0, 27.0, 0.0); ( 600666.3,  
4135559.3, 26.9, 26.9, 0.0);  
( 600716.3, 4135559.3, 27.1, 27.1, 0.0); ( 600766.3,  
4135559.3, 27.0, 27.0, 0.0);  
( 600816.3, 4135559.3, 27.1, 27.1, 0.0); ( 600866.3,  
4135559.3, 27.8, 27.8, 0.0);  
( 600916.3, 4135559.3, 27.9, 27.9, 0.0); ( 600966.3,  
4135559.3, 28.4, 28.4, 0.0);  
( 601016.3, 4135559.3, 28.0, 28.0, 0.0); ( 601066.3,  
4135559.3, 28.2, 28.2, 0.0);  
( 600566.3, 4135609.3, 26.7, 26.7, 0.0); ( 600616.3,  
4135609.3, 26.8, 26.8, 0.0);  
( 600666.3, 4135609.3, 26.9, 26.9, 0.0); ( 600716.3,  
4135609.3, 26.8, 26.8, 0.0);  
( 600766.3, 4135609.3, 27.3, 27.3, 0.0); ( 600816.3,  
4135609.3, 27.5, 27.5, 0.0);  
( 600866.3, 4135609.3, 28.3, 28.3, 0.0); ( 600916.3,  
4135609.3, 28.3, 28.3, 0.0);  
( 600966.3, 4135609.3, 28.0, 28.0, 0.0); ( 601016.3,  
4135609.3, 28.2, 28.2, 0.0);  
( 601066.3, 4135609.3, 28.2, 28.2, 0.0); ( 600516.3,  
4135659.3, 26.9, 26.9, 0.0);  
( 600566.3, 4135659.3, 26.8, 26.8, 0.0); ( 600616.3,  
4135659.3, 26.7, 26.7, 0.0);

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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650 N King ConstT4.ADO

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

( 600666.3, 4135659.3, 26.8, 26.8, 0.0); ( 600716.3,  
 4135659.3, 27.5, 27.5, 0.0);  
 ( 600766.3, 4135659.3, 27.9, 27.9, 0.0); ( 600816.3,  
 4135659.3, 27.8, 27.8, 0.0);  
 ( 600866.3, 4135659.3, 28.4, 28.4, 0.0); ( 600916.3,  
 4135659.3, 28.1, 28.1, 0.0);  
 ( 600966.3, 4135659.3, 28.1, 28.1, 0.0); ( 601016.3,  
 4135659.3, 28.3, 28.3, 0.0);  
 ( 601066.3, 4135659.3, 28.7, 28.7, 0.0); ( 600566.3,  
 4135709.3, 27.3, 27.3, 0.0);  
 ( 600616.3, 4135709.3, 26.9, 26.9, 0.0); ( 600666.3,  
 4135709.3, 27.0, 27.0, 0.0);  
 ( 600716.3, 4135709.3, 28.1, 28.1, 0.0); ( 600766.3,  
 4135709.3, 27.9, 27.9, 0.0);  
 ( 600816.3, 4135709.3, 28.4, 28.4, 0.0); ( 600866.3,  
 4135709.3, 28.0, 28.0, 0.0);  
 ( 600916.3, 4135709.3, 28.4, 28.4, 0.0); ( 600966.3,  
 4135709.3, 28.2, 28.2, 0.0);  
 ( 601016.3, 4135709.3, 29.5, 29.5, 0.0); ( 601066.3,  
 4135709.3, 29.3, 29.3, 0.0);  
 ( 600616.3, 4135759.3, 27.4, 27.4, 0.0); ( 600666.3,  
 4135759.3, 28.3, 28.3, 0.0);  
 ( 600716.3, 4135759.3, 27.9, 27.9, 0.0); ( 600766.3,  
 4135759.3, 28.2, 28.2, 0.0);  
 ( 600816.3, 4135759.3, 28.5, 28.5, 0.0); ( 600866.3,  
 4135759.3, 29.2, 29.2, 0.0);  
 ( 600916.3, 4135759.3, 27.0, 27.0, 0.0); ( 600966.3,  
 4135759.3, 29.0, 29.0, 0.0);  
 ( 601016.3, 4135759.3, 29.3, 29.3, 0.0); ( 601066.3,  
 4135759.3, 29.2, 29.2, 0.0);  
 ( 600666.3, 4135809.3, 27.9, 27.9, 0.0); ( 600716.3,  
 4135809.3, 28.2, 28.2, 0.0);  
 ( 600766.3, 4135809.3, 28.4, 28.4, 0.0); ( 600816.3,  
 4135809.3, 28.8, 28.8, 0.0);  
 ( 600866.3, 4135809.3, 28.8, 28.8, 0.0); ( 600916.3,  
 4135809.3, 29.1, 29.1, 0.0);  
 ( 600966.3, 4135809.3, 29.0, 29.0, 0.0); ( 601016.3,  
 4135809.3, 29.1, 29.1, 0.0);  
 ( 601066.3, 4135809.3, 30.0, 30.0, 0.0); ( 600716.3,  
 4135859.3, 28.3, 28.3, 0.0);  
 ( 600766.3, 4135859.3, 28.5, 28.5, 0.0); ( 600816.3,  
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 ( 600866.3, 4135859.3, 29.2, 29.2, 0.0); ( 600916.3,  
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650 N King ConstT4.ADO

( 600966.3, 4135859.3, 28.8, 28.8, 0.0); ( 601016.3,  
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( 600916.3, 4135909.3, 29.4, 29.4, 0.0); ( 600966.3,  
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( 600816.3, 4135959.3, 28.7, 28.7, 0.0); ( 600866.3,  
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( 600916.3, 4135959.3, 28.9, 28.9, 0.0); ( 600966.3,  
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( 601016.3, 4135959.3, 29.4, 29.4, 0.0); ( 601066.3,  
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( 600966.3, 4136009.3, 29.2, 29.2, 0.0); ( 601016.3,  
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( 601066.3, 4136109.3, 30.7, 30.7, 0.0); ( 599866.3,  
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▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
\*\*\* 08/11/21

\*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 599916.3, 4136159.3,	27.1,	27.1,	0.0);	( 599966.3,
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( 600316.3, 4136209.3,	28.7,	28.7,	0.0);	( 600366.3,
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650 N King ConstT4.ADO

( 599916.3, 4136259.3, 27.1, 27.1, 0.0); ( 599966.3, 4136259.3, 27.8, 27.8, 0.0);  
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650 N King ConstT4.ADO

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( 600166.3, 4136359.3, 28.7, 28.7, 0.0); ( 600216.3, 4136359.3, 29.4, 29.4, 0.0);

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600266.3, 4136359.3, 30.1, 30.1, 0.0); ( 600316.3, 4136359.3, 30.2, 30.2, 0.0);

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650 N King ConstT4.ADO

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650 N King ConstT4.ADO

( 601016.3, 4136509.3, 34.3, 34.3, 0.0); ( 601066.3,  
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▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600366.3, 4136559.3, 31.7, 31.7, 0.0); ( 600416.3,  
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▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
\*\*\* 08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT  
BE PERFORMED \*

650 N King ConstT4.ADO  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR

FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
- - -			
-1.81	L0005610	600516.3	4135659.3
-8.34	L0005611	600516.3	4135659.3
0.48	L0005616	600566.3	4135609.3
-6.01	L0005617	600566.3	4135609.3
0.49	L0005632	600666.3	4135459.3
-0.02	L0005633	600666.3	4135459.3
-3.57	L0005638	600716.3	4135409.3
-6.87	L0005639	600716.3	4135409.3
-1.17	L0005644	600766.3	4135359.3
-5.51	L0005645	600766.3	4135359.3
-0.30	L0005660	600866.3	4135209.3
0.98	L0005661	600866.3	4135209.3
-0.76	L0005693	600766.3	4135109.3
-0.68	L0005698	600716.3	4135059.3
-6.54	L0005699	600716.3	4135059.3
-0.20	L0005704	600666.3	4135009.3
-10.53	L0005705	600666.3	4135009.3
0.27	L0005706	600666.3	4135009.3

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated



650 N King ConstT4.ADO

Surface file: 724945.SFC  
 Met Version: 14134  
 Profile file: 724945.PFL

Surface format: FREE

Profile format: FREE

Surface station no.:	23293	Upper air station no.:	23230
Name:	UNKNOWN	Name:	
OAKLAND/WSO_AP			
Year:	2009	Year:	2009

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							
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10	
1.00	0.00	0.		10.0	282.5	2.0								
09	01	01	1	02	-13.4	0.236	-9.000	-9.000	-999.	275.	89.0	0.32	1.10	
1.00	2.36	18.		10.0	282.5	2.0								
09	01	01	1	03	-7.9	0.139	-9.000	-9.000	-999.	128.	30.9	0.32	1.10	
1.00	1.76	4.		10.0	282.0	2.0								
09	01	01	1	04	-12.4	0.217	-9.000	-9.000	-999.	242.	74.8	0.25	1.10	
1.00	2.36	73.		10.0	281.4	2.0								
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10	
1.00	0.00	0.		10.0	282.0	2.0								
09	01	01	1	06	-9.7	0.170	-9.000	-9.000	-999.	168.	46.1	0.47	1.10	
1.00	1.76	342.		10.0	281.4	2.0								
09	01	01	1	07	-13.5	0.236	-9.000	-9.000	-999.	275.	88.6	0.32	1.10	
1.00	2.36	5.		10.0	281.4	2.0								
09	01	01	1	08	-19.7	0.345	-9.000	-9.000	-999.	486.	189.6	0.47	1.10	
0.74	2.86	333.		10.0	280.9	2.0								
09	01	01	1	09	-8.3	0.363	-9.000	-9.000	-999.	526.	525.4	0.47	1.10	
0.39	2.86	327.		10.0	280.9	2.0								
09	01	01	1	10	8.1	0.382	0.288	0.014	106.	566.	-625.1	0.47	1.10	
0.27	2.86	351.		10.0	280.9	2.0								
09	01	01	1	11	17.6	-9.000	-9.000	-9.000	189.	-999.	-99999.0	0.25	1.10	
0.23	0.00	0.		10.0	280.9	2.0								
09	01	01	1	12	23.0	-9.000	-9.000	-9.000	259.	-999.	-99999.0	0.25	1.10	
0.21	0.00	0.		10.0	281.4	2.0								
09	01	01	1	13	23.9	-9.000	-9.000	-9.000	315.	-999.	-99999.0	0.25	1.10	
0.21	0.00	0.		10.0	281.4	2.0								
09	01	01	1	14	48.5	-9.000	-9.000	-9.000	407.	-999.	-99999.0	0.25	1.10	
0.22	0.00	0.		10.0	283.1	2.0								
09	01	01	1	15	69.5	0.319	0.953	0.016	453.	433.	-42.6	0.32	1.10	

650 N King ConstT4.ADO

0.25	2.36	32.	10.0	283.1	2.0								
09	01	01	1	16	24.5	-9.000	-9.000	-9.000	460.	-999.	-99999.0	0.25	1.10
0.33	0.00	0.	10.0	283.1	2.0								
09	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
0.57	0.00	0.	10.0	283.1	2.0								
09	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	282.5	2.0								
09	01	01	1	19	-24.2	0.212	-9.000	-9.000	-999.	235.	35.9	0.47	1.10
1.00	2.36	324.	10.0	281.4	2.0								
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	281.4	2.0								
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.4	2.0								
09	01	01	1	24	-9.7	0.170	-9.000	-9.000	-999.	168.	45.7	0.47	1.10
1.00	1.76	310.	10.0	280.4	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	-999.	-99.00	282.6	99.0	-99.00	-99.00

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

```

*** AERMOD - VERSION 21112 ***      *** 650 N King Construction Mitigated
***                                ***      08/11/21
*** AERMET - VERSION 14134 ***      ***
***                                ***      12:42:38
    
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

```

***
INCLUDING SOURCE(S):      L0005517      , L0005518
, L0005519      , L0005520      , L0005521      ,
      L0005522      , L0005523      , L0005524      , L0005525      , L0005526
, L0005527      , L0005528      , L0005529      ,
      L0005530      , L0005531      , L0005532      , L0005533      , L0005534
, L0005535      , L0005536      , L0005537      ,
      L0005538      , L0005539      , L0005540      , L0005541      , L0005542
, L0005543      , L0005544      , . . .      ,
    
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\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

650 N King ConstT4.ADO

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
600316.29	4135009.32	0.00021	600366.29
4135009.32	0.00022		
600416.29	4135009.32	0.00023	600466.29
4135009.32	0.00025		
600516.29	4135009.32	0.00027	600566.29
4135009.32	0.00031		
600616.29	4135009.32	0.00040	600666.29
4135009.32	0.00039		
600716.29	4135009.32	0.00042	600766.29
4135009.32	0.00033		
600816.29	4135009.32	0.00029	600866.29
4135009.32	0.00026		
600916.29	4135009.32	0.00025	600966.29
4135009.32	0.00023		
601016.29	4135009.32	0.00022	601066.29
4135009.32	0.00021		
600316.29	4135059.32	0.00022	600366.29
4135059.32	0.00023		
600416.29	4135059.32	0.00024	600466.29
4135059.32	0.00026		
600516.29	4135059.32	0.00027	600566.29
4135059.32	0.00029		
600616.29	4135059.32	0.00033	600666.29
4135059.32	0.00040		
600716.29	4135059.32	0.00047	600766.29
4135059.32	0.00047		
600816.29	4135059.32	0.00036	600866.29
4135059.32	0.00031		
600916.29	4135059.32	0.00028	600966.29
4135059.32	0.00026		
601016.29	4135059.32	0.00025	601066.29
4135059.32	0.00023		
600266.29	4135109.32	0.00023	600316.29
4135109.32	0.00024		
600366.29	4135109.32	0.00026	600416.29
4135109.32	0.00027		
600466.29	4135109.32	0.00028	600516.29
4135109.32	0.00029		
600566.29	4135109.32	0.00030	600616.29
4135109.32	0.00032		
600666.29	4135109.32	0.00035	600716.29



650 N King ConstT4.ADO

4135109.32	0.00041			
	600766.29	4135109.32	0.00054	600816.29
4135109.32	0.00053			
	600866.29	4135109.32	0.00039	600916.29
4135109.32	0.00033			
	600966.29	4135109.32	0.00030	601016.29
4135109.32	0.00028			
	601066.29	4135109.32	0.00026	600316.29
4135159.32	0.00027			
	600366.29	4135159.32	0.00028	600416.29
4135159.32	0.00029			
	600466.29	4135159.32	0.00030	600516.29
4135159.32	0.00031			
	600566.29	4135159.32	0.00032	600616.29
4135159.32	0.00034			
	600666.29	4135159.32	0.00035	600716.29
4135159.32	0.00038			
	600766.29	4135159.32	0.00043	600816.29
4135159.32	0.00059			
	600866.29	4135159.32	0.00061	600916.29
4135159.32	0.00042			
	600966.29	4135159.32	0.00035	601016.29
4135159.32	0.00031			
	601066.29	4135159.32	0.00029	600366.29
4135209.32	0.00031			
	600416.29	4135209.32	0.00033	600466.29
4135209.32	0.00034			
	600516.29	4135209.32	0.00035	600566.29
4135209.32	0.00036			
	600616.29	4135209.32	0.00037	600666.29
4135209.32	0.00038			
	600716.29	4135209.32	0.00040	600766.29
4135209.32	0.00043			
	600816.29	4135209.32	0.00049	600866.29
4135209.32	0.00058			
	600916.29	4135209.32	0.00050	600966.29
4135209.32	0.00039			
	601016.29	4135209.32	0.00035	601066.29
4135209.32	0.00032			

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\* 650 N King Construction Mitigated  
\*\*\* 08/11/21

\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS ) AVERAGE CONCENTRATION

650 N King ConstT4.ADO

VALUES FOR SOURCE GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
600366.29	4135259.32	0.00035	600416.29
4135259.32	0.00037		
600466.29	4135259.32	0.00038	600516.29
4135259.32	0.00039		
600566.29	4135259.32	0.00040	600616.29
4135259.32	0.00041		
600666.29	4135259.32	0.00043	600716.29
4135259.32	0.00045		
600766.29	4135259.32	0.00049	600816.29
4135259.32	0.00061		
600866.29	4135259.32	0.00068	600916.29
4135259.32	0.00048		
600966.29	4135259.32	0.00041	601016.29
4135259.32	0.00038		
601066.29	4135259.32	0.00036	600416.29
4135309.32	0.00042		
600466.29	4135309.32	0.00044	600516.29
4135309.32	0.00045		
600566.29	4135309.32	0.00047	600616.29
4135309.32	0.00048		
600666.29	4135309.32	0.00050	600716.29
4135309.32	0.00053		
600766.29	4135309.32	0.00063	600816.29
4135309.32	0.00083		
600866.29	4135309.32	0.00057	600916.29
4135309.32	0.00049		
600966.29	4135309.32	0.00045	601016.29
4135309.32	0.00043		

650 N King ConstT4.ADO

601066.29	4135309.32	0.00041	600416.29
4135359.32	0.00049		
600466.29	4135359.32	0.00052	600516.29
4135359.32	0.00054		
600566.29	4135359.32	0.00055	600616.29
4135359.32	0.00057		
600666.29	4135359.32	0.00060	600716.29
4135359.32	0.00067		
600766.29	4135359.32	0.00079	600816.29
4135359.32	0.00068		
600866.29	4135359.32	0.00058	600916.29
4135359.32	0.00054		
600966.29	4135359.32	0.00051	601016.29
4135359.32	0.00049		
601066.29	4135359.32	0.00048	600466.29
4135409.32	0.00062		
600516.29	4135409.32	0.00064	600566.29
4135409.32	0.00067		
600616.29	4135409.32	0.00070	600666.29
4135409.32	0.00075		
600716.29	4135409.32	0.00088	600766.29
4135409.32	0.00081		
600816.29	4135409.32	0.00070	600866.29
4135409.32	0.00065		
600916.29	4135409.32	0.00062	600966.29
4135409.32	0.00059		
601016.29	4135409.32	0.00058	601066.29
4135409.32	0.00056		
600566.29	4135459.32	0.00084	600616.29
4135459.32	0.00089		
600666.29	4135459.32	0.00099	600716.29
4135459.32	0.00101		
600766.29	4135459.32	0.00086	600816.29
4135459.32	0.00080		
600866.29	4135459.32	0.00076	600916.29
4135459.32	0.00073		
600966.29	4135459.32	0.00071	601016.29
4135459.32	0.00069		
601066.29	4135459.32	0.00066	600666.29
4135509.32	0.00129		
600716.29	4135509.32	0.00109	600766.29
4135509.32	0.00102		
600816.29	4135509.32	0.00097	600866.29
4135509.32	0.00093		
600916.29	4135509.32	0.00090	600966.29
4135509.32	0.00086		
601016.29	4135509.32	0.00082	601066.29
4135509.32	0.00078		

650 N King ConstT4.ADO

600616.29 413559.32 0.00174 600666.29  
 413559.32 0.00146  
 600716.29 413559.32 0.00136 600766.29  
 413559.32 0.00130

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION  
 \*\*\*

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
600816.29	413559.32	0.00124	600866.29
413559.32	0.00118		
600916.29	413559.32	0.00111	600966.29
413559.32	0.00104		
601016.29	413559.32	0.00097	601066.29
413559.32	0.00090		
600566.29	4135609.32	0.00224	600616.29
4135609.32	0.00211		
600666.29	4135609.32	0.00197	600716.29
4135609.32	0.00185		
600766.29	4135609.32	0.00173	600816.29
4135609.32	0.00161		
600866.29	4135609.32	0.00148	600916.29
4135609.32	0.00135		
600966.29	4135609.32	0.00123	601016.29

650 N King ConstT4.ADO

4135609.32	0.00110			
601066.29	4135609.32	0.00099		600516.29
4135659.32	0.00351			
600566.29	4135659.32	0.00347		600616.29
4135659.32	0.00323			
600666.29	4135659.32	0.00293		600716.29
4135659.32	0.00262			
600766.29	4135659.32	0.00233		600816.29
4135659.32	0.00206			
600866.29	4135659.32	0.00181		600916.29
4135659.32	0.00158			
600966.29	4135659.32	0.00137		601016.29
4135659.32	0.00120			
601066.29	4135659.32	0.00104		600566.29
4135709.32	0.00692			
600616.29	4135709.32	0.00547		600666.29
4135709.32	0.00442			
600716.29	4135709.32	0.00363		600766.29
4135709.32	0.00300			
600816.29	4135709.32	0.00249		600866.29
4135709.32	0.00207			
600916.29	4135709.32	0.00172		600966.29
4135709.32	0.00145			
601016.29	4135709.32	0.00122		601066.29
4135709.32	0.00104			
600616.29	4135759.32	0.00909		600666.29
4135759.32	0.00638			
600716.29	4135759.32	0.00470		600766.29
4135759.32	0.00356			
600816.29	4135759.32	0.00275		600866.29
4135759.32	0.00216			
600916.29	4135759.32	0.00174		600966.29
4135759.32	0.00142			
601016.29	4135759.32	0.00118		601066.29
4135759.32	0.00099			
600666.29	4135809.32	0.00852		600716.29
4135809.32	0.00537			
600766.29	4135809.32	0.00370		600816.29
4135809.32	0.00269			
600866.29	4135809.32	0.00205		600916.29
4135809.32	0.00162			
600966.29	4135809.32	0.00131		601016.29
4135809.32	0.00108			
601066.29	4135809.32	0.00091		600716.29
4135859.32	0.00488			
600766.29	4135859.32	0.00326		600816.29
4135859.32	0.00236			
600866.29	4135859.32	0.00179		600916.29

650 N King ConstT4.ADO

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4135859.32      0.00142
      600966.29    4135859.32      0.00116      601016.29
4135859.32      0.00096
      601066.29    4135859.32      0.00081      600766.29
4135909.32      0.00258
      600816.29    4135909.32      0.00192      600866.29
4135909.32      0.00150
      600916.29    4135909.32      0.00121      600966.29
4135909.32      0.00100
      601016.29    4135909.32      0.00085      601066.29
4135909.32      0.00073
      600816.29    4135959.32      0.00157      600866.29
4135959.32      0.00126
      600916.29    4135959.32      0.00104      600966.29
4135959.32      0.00087
      601016.29    4135959.32      0.00075      601066.29
4135959.32      0.00065

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^ *** AERMOD - VERSION 21112 ***      *** 650 N King Construction Mitigated
      ***                               08/11/21
*** AERMET - VERSION 14134 ***      ***
      ***                               12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      L0005517      , L0005518
, L0005519      , L0005520      , L0005521      ,
      L0005522      , L0005523      , L0005524      , L0005525      , L0005526
, L0005527      , L0005528      , L0005529      ,
      L0005530      , L0005531      , L0005532      , L0005533      , L0005534
, L0005535      , L0005536      , L0005537      ,
      L0005538      , L0005539      , L0005540      , L0005541      , L0005542
, L0005543      , L0005544      , . . .      ,

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\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

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      X-COORD (M)  Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
      599866.29    4136009.32      0.00042      599916.29
4136009.32      0.00048

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650 N King ConstT4.ADO

600866.29	4136009.32	0.00107	600916.29
4136009.32	0.00090		
600966.29	4136009.32	0.00077	601016.29
4136009.32	0.00066		
601066.29	4136009.32	0.00058	599866.29
4136059.32	0.00042		
599916.29	4136059.32	0.00049	599966.29
4136059.32	0.00056		
600216.29	4136059.32	0.00163	600266.29
4136059.32	0.00167		
600916.29	4136059.32	0.00079	600966.29
4136059.32	0.00068		
601016.29	4136059.32	0.00060	601066.29
4136059.32	0.00053		
599866.29	4136109.32	0.00042	599916.29
4136109.32	0.00048		
599966.29	4136109.32	0.00056	600016.29
4136109.32	0.00065		
600216.29	4136109.32	0.00126	600266.29
4136109.32	0.00134		
600316.29	4136109.32	0.00148	600366.29
4136109.32	0.00162		
600416.29	4136109.32	0.00176	600466.29
4136109.32	0.00188		
600966.29	4136109.32	0.00061	601016.29
4136109.32	0.00054		
601066.29	4136109.32	0.00048	599866.29
4136159.32	0.00042		
599916.29	4136159.32	0.00047	599966.29
4136159.32	0.00054		
600016.29	4136159.32	0.00063	600066.29
4136159.32	0.00078		
600166.29	4136159.32	0.00102	600216.29
4136159.32	0.00103		
600266.29	4136159.32	0.00109	600316.29
4136159.32	0.00116		
600366.29	4136159.32	0.00124	600416.29
4136159.32	0.00131		
600466.29	4136159.32	0.00137	600516.29
4136159.32	0.00140		
600566.29	4136159.32	0.00137	600716.29
4136159.32	0.00098		
600766.29	4136159.32	0.00086	601016.29
4136159.32	0.00049		
601066.29	4136159.32	0.00044	599866.29
4136209.32	0.00041		
599916.29	4136209.32	0.00046	599966.29
4136209.32	0.00053		

650 N King ConstT4.ADO

4136209.32	600016.29	4136209.32	0.00062	600066.29
			0.00084	
4136209.32	600116.29	4136209.32	0.00093	600166.29
			0.00084	
4136209.32	600216.29	4136209.32	0.00086	600266.29
			0.00089	
4136209.32	600316.29	4136209.32	0.00093	600366.29
			0.00097	
4136209.32	600416.29	4136209.32	0.00101	600466.29
			0.00105	
4136209.32	600516.29	4136209.32	0.00108	600566.29
			0.00106	
4136209.32	600616.29	4136209.32	0.00100	600666.29
			0.00091	
4136209.32	600716.29	4136209.32	0.00081	600766.29
			0.00072	
4136259.32	601066.29	4136209.32	0.00039	599866.29
			0.00039	
4136259.32	599916.29	4136259.32	0.00044	599966.29
			0.00051	
4136259.32	600016.29	4136259.32	0.00063	600116.29
			0.00074	
4136259.32	600166.29	4136259.32	0.00071	600216.29
			0.00072	
4136259.32	600266.29	4136259.32	0.00074	600316.29
			0.00076	
4136259.32	600366.29	4136259.32	0.00079	600416.29
			0.00081	
4136259.32	600466.29	4136259.32	0.00084	600516.29
			0.00086	

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 12:42:38

PAGE 30

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,



650 N King ConstT4.ADO

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4136259.32	600566.29	4136259.32	0.00085	600616.29
4136259.32	600666.29	4136259.32	0.00075	600716.29
4136259.32	600766.29	4136259.32	0.00062	600816.29
4136259.32	601016.29	4136259.32	0.00034	601066.29
4136309.32	599866.29	4136309.32	0.00038	599916.29
4136309.32	599966.29	4136309.32	0.00051	600016.29
4136309.32	600066.29	4136309.32	0.00072	600116.29
4136309.32	600166.29	4136309.32	0.00061	600216.29
4136309.32	600266.29	4136309.32	0.00062	600316.29
4136309.32	600366.29	4136309.32	0.00065	600416.29
4136309.32	600466.29	4136309.32	0.00069	600516.29
4136309.32	600566.29	4136309.32	0.00071	600616.29
4136309.32	600666.29	4136309.32	0.00064	600716.29
4136309.32	600766.29	4136309.32	0.00053	600816.29
4136309.32	600866.29	4136309.32	0.00044	600916.29
4136309.32	600966.29	4136309.32	0.00033	601016.29
4136359.32	601066.29	4136309.32	0.00026	599866.29
4136359.32	599916.29	4136359.32	0.00042	599966.29
4136359.32	600066.29	4136359.32	0.00058	600116.29

650 N King ConstT4.ADO

4136359.32	0.00053			
	600166.29	4136359.32	0.00052	600216.29
4136359.32	0.00053			
	600266.29	4136359.32	0.00053	600316.29
4136359.32	0.00054			
	600366.29	4136359.32	0.00055	600416.29
4136359.32	0.00056			
	600466.29	4136359.32	0.00058	600516.29
4136359.32	0.00059			
	600566.29	4136359.32	0.00059	600616.29
4136359.32	0.00058			
	600666.29	4136359.32	0.00055	600716.29
4136359.32	0.00050			
	600766.29	4136359.32	0.00043	600816.29
4136359.32	0.00032			
	600866.29	4136359.32	0.00035	600916.29
4136359.32	0.00031			
	600966.29	4136359.32	0.00027	601016.29
4136359.32	0.00023			
	601066.29	4136359.32	0.00023	599866.29
4136409.32	0.00035			
	599916.29	4136409.32	0.00043	600016.29
4136409.32	0.00058			
	600066.29	4136409.32	0.00049	600216.29
4136409.32	0.00045			
	600266.29	4136409.32	0.00046	600316.29
4136409.32	0.00046			
	600366.29	4136409.32	0.00047	600416.29
4136409.32	0.00048			
	600466.29	4136409.32	0.00049	600516.29
4136409.32	0.00050			
	600566.29	4136409.32	0.00051	600616.29
4136409.32	0.00050			
	600666.29	4136409.32	0.00046	600716.29
4136409.32	0.00041			
	600766.29	4136409.32	0.00036	600816.29
4136409.32	0.00030			
	600866.29	4136409.32	0.00027	600916.29
4136409.32	0.00027			
	600966.29	4136409.32	0.00022	601016.29
4136409.32	0.00021			
	601066.29	4136409.32	0.00020	599866.29

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*  
\*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\*

\*\*\* 650 N King Construction Mitigated  
08/11/21  
\*\*\*  
12:42:38

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION  
\*\*\*

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
599916.29	4136459.32	0.00047	599966.29
4136459.32	0.00067		
600016.29	4136459.32	0.00046	600066.29
4136459.32	0.00041		
600216.29	4136459.32	0.00039	600266.29
4136459.32	0.00039		
600316.29	4136459.32	0.00040	600366.29
4136459.32	0.00040		
600416.29	4136459.32	0.00041	600466.29
4136459.32	0.00043		
600516.29	4136459.32	0.00043	600566.29
4136459.32	0.00044		
600616.29	4136459.32	0.00037	600666.29
4136459.32	0.00036		
600716.29	4136459.32	0.00037	600766.29
4136459.32	0.00032		
600816.29	4136459.32	0.00026	600866.29
4136459.32	0.00023		
600916.29	4136459.32	0.00021	600966.29
4136459.32	0.00019		
601016.29	4136459.32	0.00018	601066.29
4136459.32	0.00017		
599866.29	4136509.32	0.00035	599966.29
4136509.32	0.00045		

650 N King ConstT4.ADO

600016.29	4136509.32	0.00038	600266.29
4136509.32	0.00035		
600316.29	4136509.32	0.00035	600366.29
4136509.32	0.00035		
600416.29	4136509.32	0.00036	600466.29
4136509.32	0.00037		
600516.29	4136509.32	0.00035	600566.29
4136509.32	0.00036		
600616.29	4136509.32	0.00031	600666.29
4136509.32	0.00030		
600716.29	4136509.32	0.00026	600766.29
4136509.32	0.00024		
600816.29	4136509.32	0.00022	600866.29
4136509.32	0.00020		
600916.29	4136509.32	0.00019	600966.29
4136509.32	0.00017		
601016.29	4136509.32	0.00016	601066.29
4136509.32	0.00016		
599866.29	4136559.32	0.00032	599916.29
4136559.32	0.00040		
599966.29	4136559.32	0.00033	600016.29
4136559.32	0.00031		
600066.29	4136559.32	0.00030	600216.29
4136559.32	0.00030		
600266.29	4136559.32	0.00030	600316.29
4136559.32	0.00031		
600366.29	4136559.32	0.00031	600416.29
4136559.32	0.00032		
600466.29	4136559.32	0.00033	600516.29
4136559.32	0.00034		
600566.29	4136559.32	0.00031	600616.29
4136559.32	0.00029		
600666.29	4136559.32	0.00026	600716.29
4136559.32	0.00024		
600766.29	4136559.32	0.00021	600816.29
4136559.32	0.00020		
600866.29	4136559.32	0.00019	600916.29
4136559.32	0.00017		
600966.29	4136559.32	0.00016	601016.29
4136559.32	0.00015		
601066.29	4136559.32	0.00014	

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*  
\*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\*

\*\*\* 650 N King Construction Mitigated  
08/11/21  
\*\*\*  
12:42:38

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
600316.29	4135009.32	0.00209	(13012218)	600366.29
4135009.32	0.00232	(13012218)		
600416.29	4135009.32	0.00243	(13012218)	600466.29
4135009.32	0.00250	(09012904)		
600516.29	4135009.32	0.00254	(09012904)	600566.29
4135009.32	0.00246	(09012904)		
600616.29	4135009.32	0.00233	(09012904)	600666.29
4135009.32	0.00207	(09012904)		
600716.29	4135009.32	0.00189	(09012904)	600766.29
4135009.32	0.00142	(09012904)		
600816.29	4135009.32	0.00134	(12012917)	600866.29
4135009.32	0.00121	(12012917)		
600916.29	4135009.32	0.00107	(11102217)	600966.29
4135009.32	0.00103	(11102217)		
601016.29	4135009.32	0.00098	(13090407)	601066.29
4135009.32	0.00097	(13072920)		
600316.29	4135059.32	0.00222	(13012218)	600366.29
4135059.32	0.00249	(13012218)		
600416.29	4135059.32	0.00263	(13012218)	600466.29
4135059.32	0.00269	(09012904)		
600516.29	4135059.32	0.00273	(09012904)	600566.29
4135059.32	0.00260	(09012904)		
600616.29	4135059.32	0.00236	(09012904)	600666.29
4135059.32	0.00210	(09012904)		
600716.29	4135059.32	0.00217	(09121704)	600766.29

650 N King ConstT4.ADO

4135059.32	0.00171	(09012904)		
600816.29	4135059.32	0.00149	(12012917)	600866.29
4135059.32	0.00128	(12012917)		
600916.29	4135059.32	0.00118	(11102217)	600966.29
4135059.32	0.00109	(13090407)		
601016.29	4135059.32	0.00109	(13072920)	601066.29
4135059.32	0.00120	(13072920)		
600266.29	4135109.32	0.00236	(12120322)	600316.29
4135109.32	0.00237	(13022221)		
600366.29	4135109.32	0.00268	(13012218)	600416.29
4135109.32	0.00287	(13012218)		
600466.29	4135109.32	0.00293	(09012904)	600516.29
4135109.32	0.00296	(09012904)		
600566.29	4135109.32	0.00280	(09012904)	600616.29
4135109.32	0.00248	(09012904)		
600666.29	4135109.32	0.00212	(09012904)	600716.29
4135109.32	0.00180	(09012904)		
600766.29	4135109.32	0.00208	(09022501)	600816.29
4135109.32	0.00181	(12012917)		
600866.29	4135109.32	0.00139	(11102217)	600916.29
4135109.32	0.00129	(11102217)		
600966.29	4135109.32	0.00128	(11092421)	601016.29
4135109.32	0.00138	(13072920)		
601066.29	4135109.32	0.00149	(13072920)	600316.29
4135159.32	0.00261	(12120322)		
600366.29	4135159.32	0.00290	(13012218)	600416.29
4135159.32	0.00314	(13012218)		
600466.29	4135159.32	0.00321	(09012904)	600516.29
4135159.32	0.00325	(09012904)		
600566.29	4135159.32	0.00304	(09012904)	600616.29
4135159.32	0.00266	(09012904)		
600666.29	4135159.32	0.00221	(09012904)	600716.29
4135159.32	0.00180	(09012904)		
600766.29	4135159.32	0.00175	(12012917)	600816.29
4135159.32	0.00200	(11020620)		
600866.29	4135159.32	0.00193	(10121220)	600916.29
4135159.32	0.00169	(11092421)		
600966.29	4135159.32	0.00163	(13072920)	601016.29
4135159.32	0.00171	(13072920)		
601066.29	4135159.32	0.00183	(13072920)	600366.29
4135209.32	0.00313	(13012218)		
600416.29	4135209.32	0.00346	(13012218)	600466.29
4135209.32	0.00355	(09012904)		
600516.29	4135209.32	0.00359	(09012904)	600566.29
4135209.32	0.00334	(09012904)		
600616.29	4135209.32	0.00288	(09012904)	600666.29
4135209.32	0.00234	(09012904)		
600716.29	4135209.32	0.00193	(12012917)	600766.29

650 N King ConstT4.ADO

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4135209.32      0.00189 (12012917)
      600816.29  4135209.32      0.00169 (11102217)      600866.29
4135209.32      0.00187 (11092421)
      600916.29  4135209.32      0.00201 (13072920)      600966.29
4135209.32      0.00195 (13072920)
      601016.29  4135209.32      0.00207 (13072920)      601066.29
4135209.32      0.00222 (13072920)

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^ *** AERMOD - VERSION 21112 ***      *** 650 N King Construction Mitigated
      ***      08/11/21
*** AERMET - VERSION 14134 ***      ***
      ***      12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      L0005517      , L0005518
, L0005519      , L0005520      , L0005521      ,
      L0005522      , L0005523      , L0005524      , L0005525      , L0005526
, L0005527      , L0005528      , L0005529      ,
      L0005530      , L0005531      , L0005532      , L0005533      , L0005534
, L0005535      , L0005536      , L0005537      ,
      L0005538      , L0005539      , L0005540      , L0005541      , L0005542
, L0005543      , L0005544      , . . .      ,

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\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

```

      **
      X-COORD (M)  Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
-----
      600366.29  4135259.32      0.00340 (13012218)      600416.29
4135259.32      0.00383 (13012218)
      600466.29  4135259.32      0.00396 (09012904)      600516.29
4135259.32      0.00401 (09012904)
      600566.29  4135259.32      0.00371 (09012904)      600616.29
4135259.32      0.00315 (09012904)
      600666.29  4135259.32      0.00252 (09012904)      600716.29
4135259.32      0.00220 (12012917)
      600766.29  4135259.32      0.00205 (12012917)      600816.29
4135259.32      0.00202 (11102217)
      600866.29  4135259.32      0.00244 (11092421)      600916.29
4135259.32      0.00223 (13072920)

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650 N King ConstT4.ADO

600966.29	4135259.32	0.00235	(13072920)	601016.29
4135259.32	0.00253	(13072920)		
601066.29	4135259.32	0.00269	(13072920)	600416.29
4135309.32	0.00429	(13012218)		
600466.29	4135309.32	0.00445	(09012904)	600516.29
4135309.32	0.00453	(09012904)		
600566.29	4135309.32	0.00415	(09012904)	600616.29
4135309.32	0.00347	(09012904)		
600666.29	4135309.32	0.00273	(09012904)	600716.29
4135309.32	0.00249	(12012917)		
600766.29	4135309.32	0.00228	(12012917)	600816.29
4135309.32	0.00287	(11092421)		
600866.29	4135309.32	0.00252	(13072920)	600916.29
4135309.32	0.00269	(13072920)		
600966.29	4135309.32	0.00291	(13072920)	601016.29
4135309.32	0.00311	(13072920)		
601066.29	4135309.32	0.00338	(10111518)	600416.29
4135359.32	0.00479	(13012218)		
600466.29	4135359.32	0.00507	(13012218)	600516.29
4135359.32	0.00518	(09012904)		
600566.29	4135359.32	0.00470	(09012904)	600616.29
4135359.32	0.00386	(09012904)		
600666.29	4135359.32	0.00299	(09012904)	600716.29
4135359.32	0.00282	(12012917)		
600766.29	4135359.32	0.00285	(11092421)	600816.29
4135359.32	0.00287	(13072920)		
600866.29	4135359.32	0.00310	(13072920)	600916.29
4135359.32	0.00339	(13072920)		
600966.29	4135359.32	0.00363	(13072920)	601016.29
4135359.32	0.00399	(10111518)		
601066.29	4135359.32	0.00439	(13013118)	600466.29
4135409.32	0.00586	(13012218)		
600516.29	4135409.32	0.00597	(09012904)	600566.29
4135409.32	0.00539	(09012904)		
600616.29	4135409.32	0.00435	(09012904)	600666.29
4135409.32	0.00343	(12012917)		
600716.29	4135409.32	0.00316	(12012917)	600766.29
4135409.32	0.00332	(11092421)		
600816.29	4135409.32	0.00362	(13072920)	600866.29
4135409.32	0.00401	(13072920)		
600916.29	4135409.32	0.00432	(10111518)	600966.29
4135409.32	0.00478	(10111518)		
601016.29	4135409.32	0.00539	(13013118)	601066.29
4135409.32	0.00598	(13022222)		
600566.29	4135459.32	0.00630	(09012904)	600616.29
4135459.32	0.00499	(09012904)		
600666.29	4135459.32	0.00406	(12012917)	600716.29
4135459.32	0.00396	(11092421)		



650 N King ConstT4.ADO

600766.29	4135459.32	0.00430	(13072920)	600816.29
4135459.32	0.00482	(13072920)		
600866.29	4135459.32	0.00528	(10111518)	600916.29
4135459.32	0.00585	(13013118)		
600966.29	4135459.32	0.00670	(13013118)	601016.29
4135459.32	0.00737	(13022222)		
601066.29	4135459.32	0.00784	(09020219)	600666.29
4135509.32	0.00483	(11092421)		
600716.29	4135509.32	0.00522	(13072920)	600766.29
4135509.32	0.00597	(13072920)		
600816.29	4135509.32	0.00665	(10111518)	600866.29
4135509.32	0.00754	(13013118)		
600916.29	4135509.32	0.00850	(13022222)	600966.29
4135509.32	0.00920	(10101219)		
601016.29	4135509.32	0.00969	(09020219)	601066.29
4135509.32	0.00978	(09020219)		
600616.29	4135559.32	0.00655	(09012904)	600666.29
4135559.32	0.00657	(13072920)		
600716.29	4135559.32	0.00765	(13072920)	600766.29
4135559.32	0.00866	(10111518)		

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005527 , L0005528 , L0005529 , L0005524 , L0005525 , L0005526  
 , L0005535 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005543 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

650 N King ConstT4.ADO

600816.29	4135559.32	0.00998	(13013118)	600866.29
4135559.32	0.01101	(13022222)		
600916.29	4135559.32	0.01171	(09020219)	600966.29
4135559.32	0.01193	(09020219)		
601016.29	4135559.32	0.01155	(09020219)	601066.29
4135559.32	0.01083	(12010421)		
600566.29	4135609.32	0.01126	(09012904)	600616.29
4135609.32	0.00886	(11092421)		
600666.29	4135609.32	0.01037	(13072920)	600716.29
4135609.32	0.01205	(13013118)		
600766.29	4135609.32	0.01365	(13022222)	600816.29
4135609.32	0.01462	(09020219)		
600866.29	4135609.32	0.01502	(09020219)	600916.29
4135609.32	0.01458	(09020219)		
600966.29	4135609.32	0.01357	(12010421)	601016.29
4135609.32	0.01219	(12010421)		
601066.29	4135609.32	0.01099	(13013019)	600516.29
4135659.32	0.02007	(09012904)		
600566.29	4135659.32	0.01448	(09012904)	600616.29
4135659.32	0.01583	(10111518)		
600666.29	4135659.32	0.01827	(13013118)	600716.29
4135659.32	0.01948	(09020219)		
600766.29	4135659.32	0.01983	(09020219)	600816.29
4135659.32	0.01919	(09020219)		
600866.29	4135659.32	0.01769	(12010421)	600916.29
4135659.32	0.01566	(12010421)		
600966.29	4135659.32	0.01385	(13013019)	601016.29
4135659.32	0.01260	(09120217)		
601066.29	4135659.32	0.01152	(09120217)	600566.29
4135709.32	0.03137	(13022222)		
600616.29	4135709.32	0.03046	(09020219)	600666.29
4135709.32	0.02883	(09020219)		
600716.29	4135709.32	0.02694	(09020219)	600766.29
4135709.32	0.02447	(12010421)		
600816.29	4135709.32	0.02128	(12010421)	600866.29
4135709.32	0.01835	(11020801)		
600916.29	4135709.32	0.01646	(09120217)	600966.29
4135709.32	0.01460	(13122319)		
601016.29	4135709.32	0.01309	(13122319)	601066.29
4135709.32	0.01172	(11021221)		
600616.29	4135759.32	0.04487	(09020219)	600666.29
4135759.32	0.03766	(09020219)		
600716.29	4135759.32	0.03192	(12010421)	600766.29
4135759.32	0.02664	(09120217)		
600816.29	4135759.32	0.02269	(13122319)	600866.29
4135759.32	0.01945	(11021221)		
600916.29	4135759.32	0.01721	(11021221)	600966.29

650 N King ConstT4.ADO

4135759.32	0.01517	(11021221)			
601016.29	4135759.32	0.01354	(10020120)		601066.29
4135759.32	0.01227	(13121017)			
600666.29	4135809.32	0.04588	(09120217)		600716.29
4135809.32	0.03568	(11021221)			
600766.29	4135809.32	0.02893	(13121017)		600816.29
4135809.32	0.02416	(13121017)			
600866.29	4135809.32	0.02048	(13121017)		600916.29
4135809.32	0.01771	(09121620)			
600966.29	4135809.32	0.01551	(09121620)		601016.29
4135809.32	0.01370	(09121620)			
601066.29	4135809.32	0.01223	(11022003)		600716.29
4135859.32	0.03690	(13122518)			
600766.29	4135859.32	0.02929	(13021622)		600816.29
4135859.32	0.02425	(13021622)			
600866.29	4135859.32	0.02055	(13021622)		600916.29
4135859.32	0.01777	(13021622)			
600966.29	4135859.32	0.01559	(13021622)		601016.29
4135859.32	0.01382	(13021622)			
601066.29	4135859.32	0.01237	(13021622)		600766.29
4135909.32	0.02867	(09011819)			
600816.29	4135909.32	0.02367	(10020621)		600866.29
4135909.32	0.02011	(10020621)			
600916.29	4135909.32	0.01749	(13010819)		600966.29
4135909.32	0.01545	(13010819)			
601016.29	4135909.32	0.01374	(13010819)		601066.29
4135909.32	0.01233	(13122518)			
600816.29	4135959.32	0.02274	(13012703)		600866.29
4135959.32	0.01962	(09011819)			
600916.29	4135959.32	0.01739	(09011819)		600966.29
4135959.32	0.01526	(09011819)			
601016.29	4135959.32	0.01343	(13010721)		601066.29
4135959.32	0.01201	(13010721)			

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 L0005530 , L0005531 , L0005532 , L0005533 , L0005534

650 N King ConstT4.ADO

, L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
599866.29	4136009.32	0.00575	(11122422)	599916.29
4136009.32	0.00636	(12010903)		
600866.29	4136009.32	0.01869	(11012019)	600916.29
4136009.32	0.01644	(11012019)		
600966.29	4136009.32	0.01469	(13012703)	601016.29
4136009.32	0.01305	(13012703)		
601066.29	4136009.32	0.01193	(09011819)	599866.29
4136059.32	0.00562	(13120123)		
599916.29	4136059.32	0.00629	(13120123)	599966.29
4136059.32	0.00698	(13120123)		
600216.29	4136059.32	0.01156	(10122505)	600266.29
4136059.32	0.01254	(12121919)		
600916.29	4136059.32	0.01650	(13012018)	600966.29
4136059.32	0.01394	(11012019)		
601016.29	4136059.32	0.01272	(11012019)	601066.29
4136059.32	0.01135	(13012703)		
599866.29	4136109.32	0.00553	(13120123)	599916.29
4136109.32	0.00601	(12011221)		
599966.29	4136109.32	0.00670	(12011221)	600016.29
4136109.32	0.00750	(13021423)		
600216.29	4136109.32	0.00992	(12121919)	600266.29
4136109.32	0.01101	(12012120)		
600316.29	4136109.32	0.01213	(09020123)	600366.29
4136109.32	0.01342	(09011908)		
600416.29	4136109.32	0.01504	(09121505)	600466.29
4136109.32	0.02449	(09101901)		
600966.29	4136109.32	0.01470	(13012018)	601016.29
4136109.32	0.01260	(13012018)		
601066.29	4136109.32	0.01095	(11010221)	599866.29
4136159.32	0.00536	(12011221)		
599916.29	4136159.32	0.00591	(13021423)	599966.29
4136159.32	0.00640	(13021423)		
600016.29	4136159.32	0.00685	(10122505)	600066.29
4136159.32	0.00719	(10122505)		

650 N King ConstT4.ADO

600166.29	4136159.32	0.00816	(12121919)	600216.29
4136159.32	0.00886	(12012120)		
600266.29	4136159.32	0.00969	(09020123)	600316.29
4136159.32	0.01057	(09012901)		
600366.29	4136159.32	0.01154	(10013003)	600416.29
4136159.32	0.01296	(11110103)		
600466.29	4136159.32	0.02092	(09101901)	600516.29
4136159.32	0.02668	(13122620)		
600566.29	4136159.32	0.02658	(12121220)	600716.29
4136159.32	0.02198	(12010724)		
600766.29	4136159.32	0.01983	(10010420)	601016.29
4136159.32	0.01288	(11120220)		
601066.29	4136159.32	0.01161	(13012018)	599866.29
4136209.32	0.00518	(13021423)		
599916.29	4136209.32	0.00549	(10122505)	599966.29
4136209.32	0.00571	(10122505)		
600016.29	4136209.32	0.00597	(10010201)	600066.29
4136209.32	0.00692	(12120307)		
600116.29	4136209.32	0.00697	(10010704)	600166.29
4136209.32	0.00736	(12012120)		
600216.29	4136209.32	0.00797	(09020123)	600266.29
4136209.32	0.00859	(09012901)		
600316.29	4136209.32	0.00913	(09011908)	600366.29
4136209.32	0.00994	(09121505)		
600416.29	4136209.32	0.01173	(09101901)	600466.29
4136209.32	0.01820	(09101901)		
600516.29	4136209.32	0.02269	(13122620)	600566.29
4136209.32	0.02262	(13020120)		
600616.29	4136209.32	0.02195	(10020324)	600666.29
4136209.32	0.02081	(11120207)		
600716.29	4136209.32	0.01925	(12122420)	600766.29
4136209.32	0.01822	(12010724)		
601066.29	4136209.32	0.01152	(11120220)	599866.29
4136259.32	0.00471	(10122505)		
599916.29	4136259.32	0.00478	(10122505)	599966.29
4136259.32	0.00516	(11122021)		
600016.29	4136259.32	0.00579	(12121919)	600116.29
4136259.32	0.00629	(12122504)		
600166.29	4136259.32	0.00672	(09020123)	600216.29
4136259.32	0.00710	(09012901)		
600266.29	4136259.32	0.00754	(13010123)	600316.29
4136259.32	0.00812	(10013003)		
600366.29	4136259.32	0.00864	(09121505)	600416.29
4136259.32	0.01070	(09101901)		
600466.29	4136259.32	0.01599	(09101901)	600516.29
4136259.32	0.01962	(13122620)		

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005527 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005535 , L0005528 , L0005529 ,  
 , L0005533 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005543 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
600566.29	4136259.32	0.01955	(13020120)	600616.29
4136259.32	0.01931	(10020324)		
600666.29	4136259.32	0.01811	(11010521)	600716.29
4136259.32	0.01730	(11120207)		
600766.29	4136259.32	0.01615	(12122420)	600816.29
4136259.32	0.01522	(12010724)		
601016.29	4136259.32	0.01363	(13021419)	601066.29
4136259.32	0.01193	(12020124)		
599866.29	4136309.32	0.00416	(10010201)	599916.29
4136309.32	0.00452	(11122021)		
599966.29	4136309.32	0.00498	(12121919)	600016.29
4136309.32	0.00583	(10010704)		
600066.29	4136309.32	0.00557	(12122504)	600116.29
4136309.32	0.00579	(09020123)		
600166.29	4136309.32	0.00602	(13021203)	600216.29
4136309.32	0.00645	(09012901)		
600266.29	4136309.32	0.00673	(09011908)	600316.29
4136309.32	0.00724	(10013003)		
600366.29	4136309.32	0.00748	(12012201)	600416.29
4136309.32	0.00985	(09101901)		
600466.29	4136309.32	0.01422	(09101901)	600516.29

650 N King ConstT4.ADO

4136309.32	0.01723	(13122620)		
600566.29	4136309.32	0.01705	(13020120)	600616.29
4136309.32	0.01683	(10020324)		
600666.29	4136309.32	0.01610	(11120424)	600716.29
4136309.32	0.01569	(11120207)		
600766.29	4136309.32	0.01456	(12122420)	600816.29
4136309.32	0.01408	(12010724)		
600866.29	4136309.32	0.01317	(10010420)	600916.29
4136309.32	0.01232	(10010420)		
600966.29	4136309.32	0.01372	(11012205)	601016.29
4136309.32	0.01433	(11012620)		
601066.29	4136309.32	0.01315	(13021419)	599866.29
4136359.32	0.00399	(11122021)		
599916.29	4136359.32	0.00436	(12121919)	599966.29
4136359.32	0.00486	(13022501)		
600066.29	4136359.32	0.00510	(12012120)	600116.29
4136359.32	0.00526	(09020123)		
600166.29	4136359.32	0.00557	(09012901)	600216.29
4136359.32	0.00577	(13010123)		
600266.29	4136359.32	0.00612	(10013003)	600316.29
4136359.32	0.00648	(09121505)		
600366.29	4136359.32	0.00664	(12011102)	600416.29
4136359.32	0.00911	(09101901)		
600466.29	4136359.32	0.01277	(09101901)	600516.29
4136359.32	0.01531	(13122620)		
600566.29	4136359.32	0.01492	(13020120)	600616.29
4136359.32	0.01491	(10010623)		
600666.29	4136359.32	0.01450	(10020324)	600716.29
4136359.32	0.01404	(11010521)		
600766.29	4136359.32	0.01478	(11120207)	600816.29
4136359.32	0.01658	(12122420)		
600866.29	4136359.32	0.01402	(12010724)	600916.29
4136359.32	0.01388	(10010420)		
600966.29	4136359.32	0.01345	(12020123)	601016.29
4136359.32	0.01414	(09022501)		
601066.29	4136359.32	0.01282	(11012620)	599866.29
4136409.32	0.00385	(12121919)		
599916.29	4136409.32	0.00420	(13022501)	600016.29
4136409.32	0.00463	(12012120)		
600066.29	4136409.32	0.00468	(09020123)	600216.29
4136409.32	0.00524	(09011908)		
600266.29	4136409.32	0.00560	(10013003)	600316.29
4136409.32	0.00580	(09121505)		
600366.29	4136409.32	0.00596	(13021506)	600416.29
4136409.32	0.00847	(09101901)		
600466.29	4136409.32	0.01155	(09101901)	600516.29
4136409.32	0.01372	(13122620)		
600566.29	4136409.32	0.01316	(13020120)	600616.29

650 N King ConstT4.ADO

4136409.32 0.01364 (12121220)  
 600666.29 4136409.32 0.01407 (10020324) 600716.29  
 4136409.32 0.01371 (11120424)  
 600766.29 4136409.32 0.01448 (11120207) 600816.29  
 4136409.32 0.01423 (12122420)  
 600866.29 4136409.32 0.01451 (11122119) 600916.29  
 4136409.32 0.01335 (12010724)  
 600966.29 4136409.32 0.01403 (09012107) 601016.29  
 4136409.32 0.01318 (09121008)  
 601066.29 4136409.32 0.01268 (09022501) 599866.29  
 4136459.32 0.00369 (10010704)

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Construction Mitigated  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 12:42:38

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0005517 , L0005518  
 , L0005519 , L0005520 , L0005521 ,  
 , L0005522 , L0005523 , L0005524 , L0005525 , L0005526  
 , L0005527 , L0005528 , L0005529 ,  
 , L0005530 , L0005531 , L0005532 , L0005533 , L0005534  
 , L0005535 , L0005536 , L0005537 ,  
 , L0005538 , L0005539 , L0005540 , L0005541 , L0005542  
 , L0005543 , L0005544 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
599916.29	4136459.32	0.00422	(10010704)	599966.29
4136459.32	0.00446 (12012120)			
600016.29	4136459.32	0.00422	(09020123)	600066.29
4136459.32	0.00427 (13021203)			
600216.29	4136459.32	0.00484	(10013003)	600266.29
4136459.32	0.00508 (09121505)			
600316.29	4136459.32	0.00520	(12012201)	600366.29
4136459.32	0.00538 (13021506)			



650 N King ConstT4.ADO

600416.29	4136459.32	0.00791	(09101901)	600466.29
4136459.32	0.01051	(09101901)		
600516.29	4136459.32	0.01258	(13122620)	600566.29
4136459.32	0.01219	(13122620)		
600616.29	4136459.32	0.01559	(12121220)	600666.29
4136459.32	0.01491	(10020324)		
600716.29	4136459.32	0.01244	(11120424)	600766.29
4136459.32	0.01337	(11010521)		
600816.29	4136459.32	0.01428	(11020108)	600866.29
4136459.32	0.01394	(12122420)		
600916.29	4136459.32	0.01362	(09120308)	600966.29
4136459.32	0.01358	(13012401)		
601016.29	4136459.32	0.01315	(09123020)	601066.29
4136459.32	0.01227	(09121008)		
599866.29	4136509.32	0.00362	(10010704)	599966.29
4136509.32	0.00388	(09020123)		
600016.29	4136509.32	0.00384	(13021203)	600266.29
4136509.32	0.00467	(09121505)		
600316.29	4136509.32	0.00474	(12011102)	600366.29
4136509.32	0.00487	(13021506)		
600416.29	4136509.32	0.00741	(09101901)	600466.29
4136509.32	0.00963	(09101901)		
600516.29	4136509.32	0.01423	(09022820)	600566.29
4136509.32	0.01268	(13122620)		
600616.29	4136509.32	0.01523	(13020120)	600666.29
4136509.32	0.01438	(12020321)		
600716.29	4136509.32	0.01478	(10123023)	600766.29
4136509.32	0.01448	(10010406)		
600816.29	4136509.32	0.01419	(11020108)	600866.29
4136509.32	0.01348	(12021405)		
600916.29	4136509.32	0.01304	(09012106)	600966.29
4136509.32	0.01291	(09120308)		
601016.29	4136509.32	0.01229	(13012401)	601066.29
4136509.32	0.01156	(09123020)		
599866.29	4136559.32	0.00361	(12012120)	599916.29
4136559.32	0.00366	(09020123)		
599966.29	4136559.32	0.00348	(09020123)	600016.29
4136559.32	0.00359	(09012901)		
600066.29	4136559.32	0.00370	(09012901)	600216.29
4136559.32	0.00414	(10013003)		
600266.29	4136559.32	0.00426	(09121505)	600316.29
4136559.32	0.00432	(12020403)		
600366.29	4136559.32	0.00461	(11110103)	600416.29
4136559.32	0.00697	(09101901)		
600466.29	4136559.32	0.00886	(09101901)	600516.29
4136559.32	0.01045	(13122620)		
600566.29	4136559.32	0.01256	(10022105)	600616.29
4136559.32	0.01361	(13020120)		

650 N King ConstT4.ADO

600666.29	4136559.32	0.01397	(10020821)	600716.29
4136559.32	0.01375	(09120924)		
600766.29	4136559.32	0.01365	(09122524)	600816.29
4136559.32	0.01317	(10121323)		
600866.29	4136559.32	0.01294	(11020108)	600916.29
4136559.32	0.01237	(09012106)		
600966.29	4136559.32	0.01203	(09120308)	601016.29
4136559.32	0.01217	(13012401)		
601066.29	4136559.32	0.01162	(09012107)	

^ \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* 650 N King Construction Mitigated  
   \*\*\*                          08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
   \*\*\*                          12:42:38

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\*\*\* MODELOPTs:    RegDEFAULT   CONC   ELEV   URBAN

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43872 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_2.5    IN MICROGRAMS/M\*\*3

\*\*

NETWORK

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
-----			
-----			
ALL 27.42,	1ST HIGHEST VALUE IS 27.42, 0.00) DC	0.00909 AT ( 600616.29,	4135759.32,
27.88,	2ND HIGHEST VALUE IS 27.88, 0.00) DC	0.00852 AT ( 600666.29,	4135809.32,
27.26,	3RD HIGHEST VALUE IS 27.26, 0.00) DC	0.00692 AT ( 600566.29,	4135709.32,
28.30,	4TH HIGHEST VALUE IS 28.30, 0.00) DC	0.00638 AT ( 600666.29,	4135759.32,
26.89,	5TH HIGHEST VALUE IS 26.89, 0.00) DC	0.00547 AT ( 600616.29,	4135709.32,
28.18,	6TH HIGHEST VALUE IS 28.18, 0.00) DC	0.00537 AT ( 600716.29,	4135809.32,
28.26,	7TH HIGHEST VALUE IS 28.26, 0.00) DC	0.00488 AT ( 600716.29,	4135859.32,
27.92,	8TH HIGHEST VALUE IS 27.92, 0.00) DC	0.00470 AT ( 600716.29,	4135759.32,

650 N King ConstT4.ADO

27.00, 9TH HIGHEST VALUE IS 0.00442 AT ( 600666.29, 4135709.32,  
27.00, 0.00) DC  
28.36, 10TH HIGHEST VALUE IS 0.00370 AT ( 600766.29, 4135809.32,  
28.36, 0.00) DC

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

\*\*\* AERMOD - VERSION 21112 \*\*\* 650 N King Construction Mitigated  
08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

RESULTS \*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
ALL HIGH 1ST HIGH VALUE IS 4135809.32, 27.88, 27.88,	0.04588 0.00) DC	ON 09120217: AT ( 600666.29,		

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

\*\*\* AERMOD - VERSION 21112 \*\*\* 650 N King Construction Mitigated  
08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* 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                    13130 Informational Message(s)  
  
A Total of                    43872 Hours Were Processed  
  
A Total of                    11611 Calm Hours Identified  
  
A Total of                    1519 Missing Hours Identified ( 3.46 Percent)

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

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

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

650 N King\_Ops.ADI

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 10.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 8/11/2021

\*\* File: C:\Lakes\AERMOD View\650 N King\_Ops\650 N King\_Ops.ADI

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\*\* AERMOD Control Pathway

\*\*\*\*\*

\*\*

\*\*

CO STARTING

TITLEONE 650 N King Operations

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1928000

POLLUTID PM\_2.5

RUNORNOT RUN

ERRORFIL "650 N King\_Ops.err"

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC N King - North

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.68E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600366.574, 4135848.280, 27.08, 3.11, 5.35

\*\* 600116.898, 4136156.245, 27.24, 3.11, 5.35

650 N King\_Ops.ADI

\*\* 599897.218, 4136552.602, 28.09, 3.11, 5.35

\*\*

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LOCATION	L0000825	VOLUME	600362.953	4135852.747	27.07
LOCATION	L0000826	VOLUME	600355.711	4135861.680	27.15
LOCATION	L0000827	VOLUME	600348.468	4135870.613	27.18
LOCATION	L0000828	VOLUME	600341.226	4135879.546	27.15
LOCATION	L0000829	VOLUME	600333.984	4135888.479	27.20
LOCATION	L0000830	VOLUME	600326.742	4135897.412	27.27
LOCATION	L0000831	VOLUME	600319.499	4135906.345	27.27
LOCATION	L0000832	VOLUME	600312.257	4135915.278	27.26
LOCATION	L0000833	VOLUME	600305.015	4135924.211	27.24
LOCATION	L0000834	VOLUME	600297.773	4135933.144	27.25
LOCATION	L0000835	VOLUME	600290.530	4135942.077	27.22
LOCATION	L0000836	VOLUME	600283.288	4135951.011	27.19
LOCATION	L0000837	VOLUME	600276.046	4135959.944	27.19
LOCATION	L0000838	VOLUME	600268.803	4135968.877	27.20
LOCATION	L0000839	VOLUME	600261.561	4135977.810	27.25
LOCATION	L0000840	VOLUME	600254.319	4135986.743	27.29
LOCATION	L0000841	VOLUME	600247.077	4135995.676	27.33
LOCATION	L0000842	VOLUME	600239.834	4136004.609	27.43
LOCATION	L0000843	VOLUME	600232.592	4136013.542	27.50
LOCATION	L0000844	VOLUME	600225.350	4136022.475	27.54
LOCATION	L0000845	VOLUME	600218.108	4136031.408	27.54
LOCATION	L0000846	VOLUME	600210.865	4136040.341	27.50
LOCATION	L0000847	VOLUME	600203.623	4136049.274	27.49
LOCATION	L0000848	VOLUME	600196.381	4136058.207	27.46
LOCATION	L0000849	VOLUME	600189.138	4136067.140	27.44
LOCATION	L0000850	VOLUME	600181.896	4136076.073	27.40
LOCATION	L0000851	VOLUME	600174.654	4136085.006	27.36
LOCATION	L0000852	VOLUME	600167.412	4136093.939	27.33
LOCATION	L0000853	VOLUME	600160.169	4136102.872	27.35
LOCATION	L0000854	VOLUME	600152.927	4136111.805	27.37
LOCATION	L0000855	VOLUME	600145.685	4136120.739	27.39
LOCATION	L0000856	VOLUME	600138.442	4136129.672	27.40
LOCATION	L0000857	VOLUME	600131.200	4136138.605	27.40
LOCATION	L0000858	VOLUME	600123.958	4136147.538	27.41
LOCATION	L0000859	VOLUME	600116.758	4136156.499	27.44
LOCATION	L0000860	VOLUME	600111.183	4136166.558	27.46
LOCATION	L0000861	VOLUME	600105.608	4136176.616	27.47
LOCATION	L0000862	VOLUME	600100.033	4136186.674	27.53
LOCATION	L0000863	VOLUME	600094.458	4136196.733	27.54
LOCATION	L0000864	VOLUME	600088.883	4136206.791	27.42
LOCATION	L0000865	VOLUME	600083.309	4136216.849	27.43
LOCATION	L0000866	VOLUME	600077.734	4136226.908	27.55
LOCATION	L0000867	VOLUME	600072.159	4136236.966	27.63
LOCATION	L0000868	VOLUME	600066.584	4136247.025	27.69
LOCATION	L0000869	VOLUME	600061.009	4136257.083	27.75
LOCATION	L0000870	VOLUME	600055.434	4136267.141	27.74

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LOCATION L0000871	VOLUME	600049.859	4136277.200	27.71
LOCATION L0000872	VOLUME	600044.285	4136287.258	27.70
LOCATION L0000873	VOLUME	600038.710	4136297.316	27.76
LOCATION L0000874	VOLUME	600033.135	4136307.375	27.71
LOCATION L0000875	VOLUME	600027.560	4136317.433	27.57
LOCATION L0000876	VOLUME	600021.985	4136327.492	27.59
LOCATION L0000877	VOLUME	600016.410	4136337.550	27.60
LOCATION L0000878	VOLUME	600010.835	4136347.608	27.64
LOCATION L0000879	VOLUME	600005.261	4136357.667	27.68
LOCATION L0000880	VOLUME	599999.686	4136367.725	27.66
LOCATION L0000881	VOLUME	599994.111	4136377.783	27.63
LOCATION L0000882	VOLUME	599988.536	4136387.842	27.66
LOCATION L0000883	VOLUME	599982.961	4136397.900	27.60
LOCATION L0000884	VOLUME	599977.386	4136407.959	27.45
LOCATION L0000885	VOLUME	599971.811	4136418.017	27.50
LOCATION L0000886	VOLUME	599966.237	4136428.075	27.61
LOCATION L0000887	VOLUME	599960.662	4136438.134	27.64
LOCATION L0000888	VOLUME	599955.087	4136448.192	27.62
LOCATION L0000889	VOLUME	599949.512	4136458.250	27.61
LOCATION L0000890	VOLUME	599943.937	4136468.309	27.67
LOCATION L0000891	VOLUME	599938.362	4136478.367	27.93
LOCATION L0000892	VOLUME	599932.787	4136488.426	27.94
LOCATION L0000893	VOLUME	599927.212	4136498.484	27.67
LOCATION L0000894	VOLUME	599921.638	4136508.542	27.53
LOCATION L0000895	VOLUME	599916.063	4136518.601	27.65
LOCATION L0000896	VOLUME	599910.488	4136528.659	27.86
LOCATION L0000897	VOLUME	599904.913	4136538.717	28.03
LOCATION L0000898	VOLUME	599899.338	4136548.776	28.15

\*\* End of LINE VOLUME Source ID = SLINE1

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC N King - South

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.32E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600372.142, 4135843.215, 27.01, 3.11, 5.35

\*\* 600883.291, 4135204.545, 27.31, 3.11, 5.35

\*\*

LOCATION L0001121	VOLUME	600375.735	4135838.726	27.03
LOCATION L0001122	VOLUME	600382.920	4135829.748	27.00
LOCATION L0001123	VOLUME	600390.106	4135820.769	26.91
LOCATION L0001124	VOLUME	600397.292	4135811.791	26.88
LOCATION L0001125	VOLUME	600404.478	4135802.812	26.91

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LOCATION L0001126	VOLUME	600411.664	4135793.833	26.91
LOCATION L0001127	VOLUME	600418.850	4135784.855	26.95
LOCATION L0001128	VOLUME	600426.035	4135775.876	26.95
LOCATION L0001129	VOLUME	600433.221	4135766.898	26.95
LOCATION L0001130	VOLUME	600440.407	4135757.919	26.89
LOCATION L0001131	VOLUME	600447.593	4135748.941	26.86
LOCATION L0001132	VOLUME	600454.779	4135739.962	26.81
LOCATION L0001133	VOLUME	600461.965	4135730.984	26.79
LOCATION L0001134	VOLUME	600469.150	4135722.005	26.79
LOCATION L0001135	VOLUME	600476.336	4135713.027	26.80
LOCATION L0001136	VOLUME	600483.522	4135704.048	26.80
LOCATION L0001137	VOLUME	600490.708	4135695.070	26.83
LOCATION L0001138	VOLUME	600497.894	4135686.091	26.86
LOCATION L0001139	VOLUME	600505.079	4135677.113	26.83
LOCATION L0001140	VOLUME	600512.265	4135668.134	26.81
LOCATION L0001141	VOLUME	600519.451	4135659.156	26.87
LOCATION L0001142	VOLUME	600526.637	4135650.177	26.91
LOCATION L0001143	VOLUME	600533.823	4135641.199	26.87
LOCATION L0001144	VOLUME	600541.009	4135632.220	26.84
LOCATION L0001145	VOLUME	600548.194	4135623.241	26.84
LOCATION L0001146	VOLUME	600555.380	4135614.263	26.79
LOCATION L0001147	VOLUME	600562.566	4135605.284	26.78
LOCATION L0001148	VOLUME	600569.752	4135596.306	26.84
LOCATION L0001149	VOLUME	600576.938	4135587.327	26.92
LOCATION L0001150	VOLUME	600584.123	4135578.349	26.92
LOCATION L0001151	VOLUME	600591.309	4135569.370	26.97
LOCATION L0001152	VOLUME	600598.495	4135560.392	27.07
LOCATION L0001153	VOLUME	600605.681	4135551.413	27.11
LOCATION L0001154	VOLUME	600612.867	4135542.435	27.09
LOCATION L0001155	VOLUME	600620.053	4135533.456	27.11
LOCATION L0001156	VOLUME	600627.238	4135524.478	27.08
LOCATION L0001157	VOLUME	600634.424	4135515.499	27.00
LOCATION L0001158	VOLUME	600641.610	4135506.521	27.02
LOCATION L0001159	VOLUME	600648.796	4135497.542	27.12
LOCATION L0001160	VOLUME	600655.982	4135488.564	27.13
LOCATION L0001161	VOLUME	600663.168	4135479.585	27.14
LOCATION L0001162	VOLUME	600670.353	4135470.606	27.15
LOCATION L0001163	VOLUME	600677.539	4135461.628	27.11
LOCATION L0001164	VOLUME	600684.725	4135452.649	26.63
LOCATION L0001165	VOLUME	600691.911	4135443.671	26.86
LOCATION L0001166	VOLUME	600699.097	4135434.692	27.29
LOCATION L0001167	VOLUME	600706.282	4135425.714	27.22
LOCATION L0001168	VOLUME	600713.468	4135416.735	27.20
LOCATION L0001169	VOLUME	600720.654	4135407.757	27.33
LOCATION L0001170	VOLUME	600727.840	4135398.778	27.30
LOCATION L0001171	VOLUME	600735.026	4135389.800	27.17
LOCATION L0001172	VOLUME	600742.212	4135380.821	27.16
LOCATION L0001173	VOLUME	600749.397	4135371.843	27.19



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LOCATION L0001174	VOLUME	600756.583	4135362.864	26.84
LOCATION L0001175	VOLUME	600763.769	4135353.886	26.85
LOCATION L0001176	VOLUME	600770.955	4135344.907	27.30
LOCATION L0001177	VOLUME	600778.141	4135335.929	27.16
LOCATION L0001178	VOLUME	600785.326	4135326.950	26.99
LOCATION L0001179	VOLUME	600792.512	4135317.971	27.12
LOCATION L0001180	VOLUME	600799.698	4135308.993	27.21
LOCATION L0001181	VOLUME	600806.884	4135300.014	26.95
LOCATION L0001182	VOLUME	600814.070	4135291.036	27.04
LOCATION L0001183	VOLUME	600821.256	4135282.057	27.45
LOCATION L0001184	VOLUME	600828.441	4135273.079	26.98
LOCATION L0001185	VOLUME	600835.627	4135264.100	26.76
LOCATION L0001186	VOLUME	600842.813	4135255.122	27.25
LOCATION L0001187	VOLUME	600849.999	4135246.143	27.37
LOCATION L0001188	VOLUME	600857.185	4135237.165	26.72
LOCATION L0001189	VOLUME	600864.371	4135228.186	26.82
LOCATION L0001190	VOLUME	600871.556	4135219.208	27.53
LOCATION L0001191	VOLUME	600878.742	4135210.229	27.58

\*\* End of LINE VOLUME Source ID = SLINE2

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Las Plumas

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.28E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600656.983, 4135833.714, 27.74, 3.11, 5.35

\*\* 600502.982, 4135698.609, 26.89, 3.11, 5.35

\*\*

LOCATION L0001192	VOLUME	600652.661	4135829.922	27.68
LOCATION L0001193	VOLUME	600644.016	4135822.338	27.59
LOCATION L0001194	VOLUME	600635.372	4135814.754	27.50
LOCATION L0001195	VOLUME	600626.727	4135807.170	27.41
LOCATION L0001196	VOLUME	600618.082	4135799.586	27.35
LOCATION L0001197	VOLUME	600609.437	4135792.002	27.30
LOCATION L0001198	VOLUME	600600.792	4135784.418	27.19
LOCATION L0001199	VOLUME	600592.148	4135776.834	27.04
LOCATION L0001200	VOLUME	600583.503	4135769.250	26.95
LOCATION L0001201	VOLUME	600574.858	4135761.666	26.92
LOCATION L0001202	VOLUME	600566.213	4135754.082	26.82
LOCATION L0001203	VOLUME	600557.569	4135746.498	26.78
LOCATION L0001204	VOLUME	600548.924	4135738.914	26.76
LOCATION L0001205	VOLUME	600540.279	4135731.330	26.85
LOCATION L0001206	VOLUME	600531.634	4135723.745	26.91

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LOCATION L0001207 VOLUME 600522.990 4135716.161 26.91  
 LOCATION L0001208 VOLUME 600514.345 4135708.577 26.90  
 LOCATION L0001209 VOLUME 600505.700 4135700.993 26.88

\*\* End of LINE VOLUME Source ID = SLINE3

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC McKee

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.55E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 4

\*\* 600888.611, 4135200.187, 27.59, 3.11, 5.35

\*\* 600621.837, 4134972.644, 26.99, 3.11, 5.35

\*\* 600504.142, 4134871.950, 30.43, 3.11, 5.35

\*\* 600451.834, 4134807.872, 33.21, 3.11, 5.35

\*\*

LOCATION L0001210 VOLUME 600884.237 4135196.456 27.58  
 LOCATION L0001211 VOLUME 600875.487 4135188.993 27.58  
 LOCATION L0001212 VOLUME 600866.737 4135181.530 27.53  
 LOCATION L0001213 VOLUME 600857.988 4135174.067 27.44  
 LOCATION L0001214 VOLUME 600849.238 4135166.604 27.38  
 LOCATION L0001215 VOLUME 600840.489 4135159.141 27.32  
 LOCATION L0001216 VOLUME 600831.739 4135151.678 27.22  
 LOCATION L0001217 VOLUME 600822.990 4135144.215 27.12  
 LOCATION L0001218 VOLUME 600814.240 4135136.753 27.14  
 LOCATION L0001219 VOLUME 600805.490 4135129.290 27.19  
 LOCATION L0001220 VOLUME 600796.741 4135121.827 27.21  
 LOCATION L0001221 VOLUME 600787.991 4135114.364 27.12  
 LOCATION L0001222 VOLUME 600779.242 4135106.901 27.10  
 LOCATION L0001223 VOLUME 600770.492 4135099.438 27.12  
 LOCATION L0001224 VOLUME 600761.742 4135091.975 27.05  
 LOCATION L0001225 VOLUME 600752.993 4135084.512 26.93  
 LOCATION L0001226 VOLUME 600744.243 4135077.049 26.87  
 LOCATION L0001227 VOLUME 600735.494 4135069.587 26.87  
 LOCATION L0001228 VOLUME 600726.744 4135062.124 26.88  
 LOCATION L0001229 VOLUME 600717.994 4135054.661 26.96  
 LOCATION L0001230 VOLUME 600709.245 4135047.198 27.00  
 LOCATION L0001231 VOLUME 600700.495 4135039.735 27.00  
 LOCATION L0001232 VOLUME 600691.746 4135032.272 26.98  
 LOCATION L0001233 VOLUME 600682.996 4135024.809 26.91  
 LOCATION L0001234 VOLUME 600674.246 4135017.346 26.84  
 LOCATION L0001235 VOLUME 600665.497 4135009.883 26.86  
 LOCATION L0001236 VOLUME 600656.747 4135002.421 26.91  
 LOCATION L0001237 VOLUME 600647.998 4134994.958 26.89

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LOCATION L0001238	VOLUME	600639.248	4134987.495	26.83
LOCATION L0001239	VOLUME	600630.499	4134980.032	26.83
LOCATION L0001240	VOLUME	600621.749	4134972.569	26.96
LOCATION L0001241	VOLUME	600613.011	4134965.093	27.08
LOCATION L0001242	VOLUME	600604.272	4134957.617	27.04
LOCATION L0001243	VOLUME	600595.534	4134950.141	26.98
LOCATION L0001244	VOLUME	600586.796	4134942.664	26.92
LOCATION L0001245	VOLUME	600578.058	4134935.188	26.88
LOCATION L0001246	VOLUME	600569.319	4134927.712	27.00
LOCATION L0001247	VOLUME	600560.581	4134920.236	27.33
LOCATION L0001248	VOLUME	600551.843	4134912.760	27.80
LOCATION L0001249	VOLUME	600543.104	4134905.284	28.29
LOCATION L0001250	VOLUME	600534.366	4134897.808	28.60
LOCATION L0001251	VOLUME	600525.628	4134890.332	28.85
LOCATION L0001252	VOLUME	600516.889	4134882.856	29.25
LOCATION L0001253	VOLUME	600508.151	4134875.380	30.21
LOCATION L0001254	VOLUME	600500.206	4134867.128	30.52
LOCATION L0001255	VOLUME	600492.934	4134858.220	30.97
LOCATION L0001256	VOLUME	600485.662	4134849.311	31.83
LOCATION L0001257	VOLUME	600478.389	4134840.402	32.64
LOCATION L0001258	VOLUME	600471.117	4134831.494	32.86
LOCATION L0001259	VOLUME	600463.845	4134822.585	33.27
LOCATION L0001260	VOLUME	600456.572	4134813.677	33.78

\*\* End of LINE VOLUME Source ID = SLINE4

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Onsite

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 8.86E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600635.864, 4135834.913, 27.60, 3.11, 5.35

\*\* 600529.074, 4135959.659, 28.05, 3.11, 5.35

\*\* 600386.372, 4135849.089, 27.07, 3.11, 5.35

\*\*

LOCATION L0001261	VOLUME	600632.125	4135839.281	27.73
LOCATION L0001262	VOLUME	600624.646	4135848.017	28.03
LOCATION L0001263	VOLUME	600617.167	4135856.754	28.48
LOCATION L0001264	VOLUME	600609.689	4135865.490	28.44
LOCATION L0001265	VOLUME	600602.210	4135874.226	28.23
LOCATION L0001266	VOLUME	600594.731	4135882.962	28.16
LOCATION L0001267	VOLUME	600587.253	4135891.698	28.07
LOCATION L0001268	VOLUME	600579.774	4135900.434	27.89
LOCATION L0001269	VOLUME	600572.295	4135909.170	27.73

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LOCATION L0001270	VOLUME	600564.817	4135917.906	27.64
LOCATION L0001271	VOLUME	600557.338	4135926.643	27.71
LOCATION L0001272	VOLUME	600549.860	4135935.379	27.86
LOCATION L0001273	VOLUME	600542.381	4135944.115	28.02
LOCATION L0001274	VOLUME	600534.902	4135952.851	28.15
LOCATION L0001275	VOLUME	600527.068	4135958.105	28.04
LOCATION L0001276	VOLUME	600517.977	4135951.061	27.82
LOCATION L0001277	VOLUME	600508.887	4135944.018	27.69
LOCATION L0001278	VOLUME	600499.796	4135936.974	27.63
LOCATION L0001279	VOLUME	600490.706	4135929.930	27.62
LOCATION L0001280	VOLUME	600481.615	4135922.887	27.53
LOCATION L0001281	VOLUME	600472.525	4135915.843	27.49
LOCATION L0001282	VOLUME	600463.434	4135908.799	27.54
LOCATION L0001283	VOLUME	600454.344	4135901.756	27.60
LOCATION L0001284	VOLUME	600445.253	4135894.712	27.60
LOCATION L0001285	VOLUME	600436.163	4135887.669	27.57
LOCATION L0001286	VOLUME	600427.072	4135880.625	27.51
LOCATION L0001287	VOLUME	600417.982	4135873.581	27.43
LOCATION L0001288	VOLUME	600408.891	4135866.538	27.31
LOCATION L0001289	VOLUME	600399.801	4135859.494	27.09
LOCATION L0001290	VOLUME	600390.710	4135852.450	27.04

\*\* End of LINE VOLUME Source ID = SLINE5

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Onsite Idle

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.03E-07

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600515.843, 4135927.528, 27.37, 3.11, 5.35

\*\* 600430.789, 4135860.429, 27.42, 3.11, 5.35

\*\*

LOCATION L0001291	VOLUME	600511.329	4135923.966	27.42
LOCATION L0001292	VOLUME	600502.300	4135916.844	27.50
LOCATION L0001293	VOLUME	600493.271	4135909.721	27.59
LOCATION L0001294	VOLUME	600484.243	4135902.598	27.57
LOCATION L0001295	VOLUME	600475.214	4135895.476	27.59
LOCATION L0001296	VOLUME	600466.185	4135888.353	27.61
LOCATION L0001297	VOLUME	600457.157	4135881.230	27.59
LOCATION L0001298	VOLUME	600448.128	4135874.108	27.58
LOCATION L0001299	VOLUME	600439.099	4135866.985	27.54

\*\* End of LINE VOLUME Source ID = SLINE6

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1



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SRCPARAM	L0000873	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000874	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000875	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000876	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000877	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000878	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000879	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000880	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000881	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000882	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000883	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000884	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000885	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000886	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000887	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000888	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000889	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000890	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000891	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000892	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000893	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000894	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000895	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000896	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000897	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000898	0.0000001308	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001121	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001122	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001123	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001124	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001125	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001126	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001127	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001128	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001129	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001130	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001131	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001132	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001133	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001134	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001135	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001136	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001137	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001138	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001139	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001140	0.0000001313	3.11	5.35	2.89



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SRCPARAM L0001189	0.0000001313	3.11	5.35	2.89
SRCPARAM L0001190	0.0000001313	3.11	5.35	2.89
SRCPARAM L0001191	0.0000001313	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM L0001192	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001193	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001194	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001195	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001196	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001197	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001198	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001199	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001200	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001201	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001202	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001203	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001204	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001205	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001206	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001207	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001208	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001209	0.0000001267	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM L0001210	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001211	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001212	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001213	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001214	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001215	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001216	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001217	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001218	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001219	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001220	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001221	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001222	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001223	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001224	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001225	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001226	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001227	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001228	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001229	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001230	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001231	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001232	0.0000001284	3.11	5.35	2.89



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SRCPARAM	L0001233	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001234	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001235	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001236	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001237	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001238	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001239	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001240	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001241	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001242	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001243	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001244	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001245	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001246	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001247	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001248	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001249	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001250	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001251	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001252	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001253	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001254	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001255	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001256	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001257	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001258	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001259	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001260	0.0000001284	3.11	5.35	2.89

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM	L0001261	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001262	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001263	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001264	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001265	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001266	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001267	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001268	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001269	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001270	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001271	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001272	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001273	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001274	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001275	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001276	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001277	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001278	0.0000002953	3.11	5.35	2.89

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SRCPARAM L0001279	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001280	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001281	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001282	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001283	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001284	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001285	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001286	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001287	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001288	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001289	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001290	0.0000002953	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE6

SRCPARAM L0001291	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001292	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001293	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001294	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001295	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001296	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001297	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001298	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001299	0.0000004478	3.11	5.35	2.89

\*\*

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING  
INCLUDED "650 N King\_Ops.rou"

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING  
\*\* Surface File Path: C:\Lakes\AERMOD View\650 N King\_Ops\  
SURFFILE 724945.SFC  
\*\* Profile File Path: C:\Lakes\AERMOD View\650 N King\_Ops\  
PROFFILE 724945.PFL  
SURFDATA 23293 2009

```

                                650 N King_Ops.ADI
UAIRDATA 23230 2009 OAKLAND/WSO_AP
PROFBASE 15.5 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD View\650 N King_Ops\650 N
King_Ops.AD\01H1GALL.PLT" 31
  PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\650 N King_Ops\650 N
King_Ops.AD\PE00GALL.PLT" 32
  SUMMFILE "C:\Lakes\AERMOD View\650 N King_Ops\650 N King_Ops.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
**

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650 N King\_Ops.ADO

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 10.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 8/11/2021

\*\* File: C:\Lakes\AERMOD View\650 N King\_Ops\650 N King\_Ops.ADI

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\*\* AERMOD Control Pathway

\*\*\*\*\*

\*\*

\*\*

CO STARTING

TITLEONE 650 N King Operations

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 1928000

POLLUTID PM\_2.5

RUNORNOT RUN

ERRORFIL "650 N King\_Ops.err"

CO FINISHED

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\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC N King - North

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.68E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600366.574, 4135848.280, 27.08, 3.11, 5.35

\*\* 600116.898, 4136156.245, 27.24, 3.11, 5.35

650 N King\_Ops.ADO

\*\* 599897.218, 4136552.602, 28.09, 3.11, 5.35

\*\*

LOCATION	L0000825	VOLUME	600362.953	4135852.747	27.07
LOCATION	L0000826	VOLUME	600355.711	4135861.680	27.15
LOCATION	L0000827	VOLUME	600348.468	4135870.613	27.18
LOCATION	L0000828	VOLUME	600341.226	4135879.546	27.15
LOCATION	L0000829	VOLUME	600333.984	4135888.479	27.20
LOCATION	L0000830	VOLUME	600326.742	4135897.412	27.27
LOCATION	L0000831	VOLUME	600319.499	4135906.345	27.27
LOCATION	L0000832	VOLUME	600312.257	4135915.278	27.26
LOCATION	L0000833	VOLUME	600305.015	4135924.211	27.24
LOCATION	L0000834	VOLUME	600297.773	4135933.144	27.25
LOCATION	L0000835	VOLUME	600290.530	4135942.077	27.22
LOCATION	L0000836	VOLUME	600283.288	4135951.011	27.19
LOCATION	L0000837	VOLUME	600276.046	4135959.944	27.19
LOCATION	L0000838	VOLUME	600268.803	4135968.877	27.20
LOCATION	L0000839	VOLUME	600261.561	4135977.810	27.25
LOCATION	L0000840	VOLUME	600254.319	4135986.743	27.29
LOCATION	L0000841	VOLUME	600247.077	4135995.676	27.33
LOCATION	L0000842	VOLUME	600239.834	4136004.609	27.43
LOCATION	L0000843	VOLUME	600232.592	4136013.542	27.50
LOCATION	L0000844	VOLUME	600225.350	4136022.475	27.54
LOCATION	L0000845	VOLUME	600218.108	4136031.408	27.54
LOCATION	L0000846	VOLUME	600210.865	4136040.341	27.50
LOCATION	L0000847	VOLUME	600203.623	4136049.274	27.49
LOCATION	L0000848	VOLUME	600196.381	4136058.207	27.46
LOCATION	L0000849	VOLUME	600189.138	4136067.140	27.44
LOCATION	L0000850	VOLUME	600181.896	4136076.073	27.40
LOCATION	L0000851	VOLUME	600174.654	4136085.006	27.36
LOCATION	L0000852	VOLUME	600167.412	4136093.939	27.33
LOCATION	L0000853	VOLUME	600160.169	4136102.872	27.35
LOCATION	L0000854	VOLUME	600152.927	4136111.805	27.37
LOCATION	L0000855	VOLUME	600145.685	4136120.739	27.39
LOCATION	L0000856	VOLUME	600138.442	4136129.672	27.40
LOCATION	L0000857	VOLUME	600131.200	4136138.605	27.40
LOCATION	L0000858	VOLUME	600123.958	4136147.538	27.41
LOCATION	L0000859	VOLUME	600116.758	4136156.499	27.44
LOCATION	L0000860	VOLUME	600111.183	4136166.558	27.46
LOCATION	L0000861	VOLUME	600105.608	4136176.616	27.47
LOCATION	L0000862	VOLUME	600100.033	4136186.674	27.53
LOCATION	L0000863	VOLUME	600094.458	4136196.733	27.54
LOCATION	L0000864	VOLUME	600088.883	4136206.791	27.42
LOCATION	L0000865	VOLUME	600083.309	4136216.849	27.43
LOCATION	L0000866	VOLUME	600077.734	4136226.908	27.55
LOCATION	L0000867	VOLUME	600072.159	4136236.966	27.63
LOCATION	L0000868	VOLUME	600066.584	4136247.025	27.69
LOCATION	L0000869	VOLUME	600061.009	4136257.083	27.75
LOCATION	L0000870	VOLUME	600055.434	4136267.141	27.74

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LOCATION	VOLUME	600049.859	4136277.200	27.71
LOCATION L0000871	VOLUME	600049.859	4136277.200	27.71
LOCATION L0000872	VOLUME	600044.285	4136287.258	27.70
LOCATION L0000873	VOLUME	600038.710	4136297.316	27.76
LOCATION L0000874	VOLUME	600033.135	4136307.375	27.71
LOCATION L0000875	VOLUME	600027.560	4136317.433	27.57
LOCATION L0000876	VOLUME	600021.985	4136327.492	27.59
LOCATION L0000877	VOLUME	600016.410	4136337.550	27.60
LOCATION L0000878	VOLUME	600010.835	4136347.608	27.64
LOCATION L0000879	VOLUME	600005.261	4136357.667	27.68
LOCATION L0000880	VOLUME	599999.686	4136367.725	27.66
LOCATION L0000881	VOLUME	599994.111	4136377.783	27.63
LOCATION L0000882	VOLUME	599988.536	4136387.842	27.66
LOCATION L0000883	VOLUME	599982.961	4136397.900	27.60
LOCATION L0000884	VOLUME	599977.386	4136407.959	27.45
LOCATION L0000885	VOLUME	599971.811	4136418.017	27.50
LOCATION L0000886	VOLUME	599966.237	4136428.075	27.61
LOCATION L0000887	VOLUME	599960.662	4136438.134	27.64
LOCATION L0000888	VOLUME	599955.087	4136448.192	27.62
LOCATION L0000889	VOLUME	599949.512	4136458.250	27.61
LOCATION L0000890	VOLUME	599943.937	4136468.309	27.67
LOCATION L0000891	VOLUME	599938.362	4136478.367	27.93
LOCATION L0000892	VOLUME	599932.787	4136488.426	27.94
LOCATION L0000893	VOLUME	599927.212	4136498.484	27.67
LOCATION L0000894	VOLUME	599921.638	4136508.542	27.53
LOCATION L0000895	VOLUME	599916.063	4136518.601	27.65
LOCATION L0000896	VOLUME	599910.488	4136528.659	27.86
LOCATION L0000897	VOLUME	599904.913	4136538.717	28.03
LOCATION L0000898	VOLUME	599899.338	4136548.776	28.15

\*\* End of LINE VOLUME Source ID = SLINE1

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC N King - South

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.32E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600372.142, 4135843.215, 27.01, 3.11, 5.35

\*\* 600883.291, 4135204.545, 27.31, 3.11, 5.35

\*\*

LOCATION L0001121	VOLUME	600375.735	4135838.726	27.03
LOCATION L0001122	VOLUME	600382.920	4135829.748	27.00
LOCATION L0001123	VOLUME	600390.106	4135820.769	26.91
LOCATION L0001124	VOLUME	600397.292	4135811.791	26.88
LOCATION L0001125	VOLUME	600404.478	4135802.812	26.91

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LOCATION L0001126	VOLUME	600411.664	4135793.833	26.91
LOCATION L0001127	VOLUME	600418.850	4135784.855	26.95
LOCATION L0001128	VOLUME	600426.035	4135775.876	26.95
LOCATION L0001129	VOLUME	600433.221	4135766.898	26.95
LOCATION L0001130	VOLUME	600440.407	4135757.919	26.89
LOCATION L0001131	VOLUME	600447.593	4135748.941	26.86
LOCATION L0001132	VOLUME	600454.779	4135739.962	26.81
LOCATION L0001133	VOLUME	600461.965	4135730.984	26.79
LOCATION L0001134	VOLUME	600469.150	4135722.005	26.79
LOCATION L0001135	VOLUME	600476.336	4135713.027	26.80
LOCATION L0001136	VOLUME	600483.522	4135704.048	26.80
LOCATION L0001137	VOLUME	600490.708	4135695.070	26.83
LOCATION L0001138	VOLUME	600497.894	4135686.091	26.86
LOCATION L0001139	VOLUME	600505.079	4135677.113	26.83
LOCATION L0001140	VOLUME	600512.265	4135668.134	26.81
LOCATION L0001141	VOLUME	600519.451	4135659.156	26.87
LOCATION L0001142	VOLUME	600526.637	4135650.177	26.91
LOCATION L0001143	VOLUME	600533.823	4135641.199	26.87
LOCATION L0001144	VOLUME	600541.009	4135632.220	26.84
LOCATION L0001145	VOLUME	600548.194	4135623.241	26.84
LOCATION L0001146	VOLUME	600555.380	4135614.263	26.79
LOCATION L0001147	VOLUME	600562.566	4135605.284	26.78
LOCATION L0001148	VOLUME	600569.752	4135596.306	26.84
LOCATION L0001149	VOLUME	600576.938	4135587.327	26.92
LOCATION L0001150	VOLUME	600584.123	4135578.349	26.92
LOCATION L0001151	VOLUME	600591.309	4135569.370	26.97
LOCATION L0001152	VOLUME	600598.495	4135560.392	27.07
LOCATION L0001153	VOLUME	600605.681	4135551.413	27.11
LOCATION L0001154	VOLUME	600612.867	4135542.435	27.09
LOCATION L0001155	VOLUME	600620.053	4135533.456	27.11
LOCATION L0001156	VOLUME	600627.238	4135524.478	27.08
LOCATION L0001157	VOLUME	600634.424	4135515.499	27.00
LOCATION L0001158	VOLUME	600641.610	4135506.521	27.02
LOCATION L0001159	VOLUME	600648.796	4135497.542	27.12
LOCATION L0001160	VOLUME	600655.982	4135488.564	27.13
LOCATION L0001161	VOLUME	600663.168	4135479.585	27.14
LOCATION L0001162	VOLUME	600670.353	4135470.606	27.15
LOCATION L0001163	VOLUME	600677.539	4135461.628	27.11
LOCATION L0001164	VOLUME	600684.725	4135452.649	26.63
LOCATION L0001165	VOLUME	600691.911	4135443.671	26.86
LOCATION L0001166	VOLUME	600699.097	4135434.692	27.29
LOCATION L0001167	VOLUME	600706.282	4135425.714	27.22
LOCATION L0001168	VOLUME	600713.468	4135416.735	27.20
LOCATION L0001169	VOLUME	600720.654	4135407.757	27.33
LOCATION L0001170	VOLUME	600727.840	4135398.778	27.30
LOCATION L0001171	VOLUME	600735.026	4135389.800	27.17
LOCATION L0001172	VOLUME	600742.212	4135380.821	27.16
LOCATION L0001173	VOLUME	600749.397	4135371.843	27.19

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LOCATION	VOLUME				
L0001174	600756.583	4135362.864	26.84		
L0001175	600763.769	4135353.886	26.85		
L0001176	600770.955	4135344.907	27.30		
L0001177	600778.141	4135335.929	27.16		
L0001178	600785.326	4135326.950	26.99		
L0001179	600792.512	4135317.971	27.12		
L0001180	600799.698	4135308.993	27.21		
L0001181	600806.884	4135300.014	26.95		
L0001182	600814.070	4135291.036	27.04		
L0001183	600821.256	4135282.057	27.45		
L0001184	600828.441	4135273.079	26.98		
L0001185	600835.627	4135264.100	26.76		
L0001186	600842.813	4135255.122	27.25		
L0001187	600849.999	4135246.143	27.37		
L0001188	600857.185	4135237.165	26.72		
L0001189	600864.371	4135228.186	26.82		
L0001190	600871.556	4135219.208	27.53		
L0001191	600878.742	4135210.229	27.58		

\*\* End of LINE VOLUME Source ID = SLINE2

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Las Plumas

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.28E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600656.983, 4135833.714, 27.74, 3.11, 5.35

\*\* 600502.982, 4135698.609, 26.89, 3.11, 5.35

\*\*

L0001192	600652.661	4135829.922	27.68		
L0001193	600644.016	4135822.338	27.59		
L0001194	600635.372	4135814.754	27.50		
L0001195	600626.727	4135807.170	27.41		
L0001196	600618.082	4135799.586	27.35		
L0001197	600609.437	4135792.002	27.30		
L0001198	600600.792	4135784.418	27.19		
L0001199	600592.148	4135776.834	27.04		
L0001200	600583.503	4135769.250	26.95		
L0001201	600574.858	4135761.666	26.92		
L0001202	600566.213	4135754.082	26.82		
L0001203	600557.569	4135746.498	26.78		
L0001204	600548.924	4135738.914	26.76		
L0001205	600540.279	4135731.330	26.85		
L0001206	600531.634	4135723.745	26.91		



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LOCATION L0001207      VOLUME    600522.990 4135716.161 26.91  
 LOCATION L0001208      VOLUME    600514.345 4135708.577 26.90  
 LOCATION L0001209      VOLUME    600505.700 4135700.993 26.88

\*\* End of LINE VOLUME Source ID = SLINE3

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC McKee

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.55E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 4

\*\* 600888.611, 4135200.187, 27.59, 3.11, 5.35

\*\* 600621.837, 4134972.644, 26.99, 3.11, 5.35

\*\* 600504.142, 4134871.950, 30.43, 3.11, 5.35

\*\* 600451.834, 4134807.872, 33.21, 3.11, 5.35

\*\* -----

LOCATION L0001210      VOLUME    600884.237 4135196.456 27.58  
 LOCATION L0001211      VOLUME    600875.487 4135188.993 27.58  
 LOCATION L0001212      VOLUME    600866.737 4135181.530 27.53  
 LOCATION L0001213      VOLUME    600857.988 4135174.067 27.44  
 LOCATION L0001214      VOLUME    600849.238 4135166.604 27.38  
 LOCATION L0001215      VOLUME    600840.489 4135159.141 27.32  
 LOCATION L0001216      VOLUME    600831.739 4135151.678 27.22  
 LOCATION L0001217      VOLUME    600822.990 4135144.215 27.12  
 LOCATION L0001218      VOLUME    600814.240 4135136.753 27.14  
 LOCATION L0001219      VOLUME    600805.490 4135129.290 27.19  
 LOCATION L0001220      VOLUME    600796.741 4135121.827 27.21  
 LOCATION L0001221      VOLUME    600787.991 4135114.364 27.12  
 LOCATION L0001222      VOLUME    600779.242 4135106.901 27.10  
 LOCATION L0001223      VOLUME    600770.492 4135099.438 27.12  
 LOCATION L0001224      VOLUME    600761.742 4135091.975 27.05  
 LOCATION L0001225      VOLUME    600752.993 4135084.512 26.93  
 LOCATION L0001226      VOLUME    600744.243 4135077.049 26.87  
 LOCATION L0001227      VOLUME    600735.494 4135069.587 26.87  
 LOCATION L0001228      VOLUME    600726.744 4135062.124 26.88  
 LOCATION L0001229      VOLUME    600717.994 4135054.661 26.96  
 LOCATION L0001230      VOLUME    600709.245 4135047.198 27.00  
 LOCATION L0001231      VOLUME    600700.495 4135039.735 27.00  
 LOCATION L0001232      VOLUME    600691.746 4135032.272 26.98  
 LOCATION L0001233      VOLUME    600682.996 4135024.809 26.91  
 LOCATION L0001234      VOLUME    600674.246 4135017.346 26.84  
 LOCATION L0001235      VOLUME    600665.497 4135009.883 26.86  
 LOCATION L0001236      VOLUME    600656.747 4135002.421 26.91  
 LOCATION L0001237      VOLUME    600647.998 4134994.958 26.89

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LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0001238	600639.248	4134987.495	26.83	
L0001239	600630.499	4134980.032	26.83	
L0001240	600621.749	4134972.569	26.96	
L0001241	600613.011	4134965.093	27.08	
L0001242	600604.272	4134957.617	27.04	
L0001243	600595.534	4134950.141	26.98	
L0001244	600586.796	4134942.664	26.92	
L0001245	600578.058	4134935.188	26.88	
L0001246	600569.319	4134927.712	27.00	
L0001247	600560.581	4134920.236	27.33	
L0001248	600551.843	4134912.760	27.80	
L0001249	600543.104	4134905.284	28.29	
L0001250	600534.366	4134897.808	28.60	
L0001251	600525.628	4134890.332	28.85	
L0001252	600516.889	4134882.856	29.25	
L0001253	600508.151	4134875.380	30.21	
L0001254	600500.206	4134867.128	30.52	
L0001255	600492.934	4134858.220	30.97	
L0001256	600485.662	4134849.311	31.83	
L0001257	600478.389	4134840.402	32.64	
L0001258	600471.117	4134831.494	32.86	
L0001259	600463.845	4134822.585	33.27	
L0001260	600456.572	4134813.677	33.78	

\*\* End of LINE VOLUME Source ID = SLINE4

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Onsite

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 8.86E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 3

\*\* 600635.864, 4135834.913, 27.60, 3.11, 5.35

\*\* 600529.074, 4135959.659, 28.05, 3.11, 5.35

\*\* 600386.372, 4135849.089, 27.07, 3.11, 5.35

\*\* -----

L0001261	600632.125	4135839.281	27.73	
L0001262	600624.646	4135848.017	28.03	
L0001263	600617.167	4135856.754	28.48	
L0001264	600609.689	4135865.490	28.44	
L0001265	600602.210	4135874.226	28.23	
L0001266	600594.731	4135882.962	28.16	
L0001267	600587.253	4135891.698	28.07	
L0001268	600579.774	4135900.434	27.89	
L0001269	600572.295	4135909.170	27.73	

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LOCATION L0001270	VOLUME	600564.817	4135917.906	27.64
LOCATION L0001271	VOLUME	600557.338	4135926.643	27.71
LOCATION L0001272	VOLUME	600549.860	4135935.379	27.86
LOCATION L0001273	VOLUME	600542.381	4135944.115	28.02
LOCATION L0001274	VOLUME	600534.902	4135952.851	28.15
LOCATION L0001275	VOLUME	600527.068	4135958.105	28.04
LOCATION L0001276	VOLUME	600517.977	4135951.061	27.82
LOCATION L0001277	VOLUME	600508.887	4135944.018	27.69
LOCATION L0001278	VOLUME	600499.796	4135936.974	27.63
LOCATION L0001279	VOLUME	600490.706	4135929.930	27.62
LOCATION L0001280	VOLUME	600481.615	4135922.887	27.53
LOCATION L0001281	VOLUME	600472.525	4135915.843	27.49
LOCATION L0001282	VOLUME	600463.434	4135908.799	27.54
LOCATION L0001283	VOLUME	600454.344	4135901.756	27.60
LOCATION L0001284	VOLUME	600445.253	4135894.712	27.60
LOCATION L0001285	VOLUME	600436.163	4135887.669	27.57
LOCATION L0001286	VOLUME	600427.072	4135880.625	27.51
LOCATION L0001287	VOLUME	600417.982	4135873.581	27.43
LOCATION L0001288	VOLUME	600408.891	4135866.538	27.31
LOCATION L0001289	VOLUME	600399.801	4135859.494	27.09
LOCATION L0001290	VOLUME	600390.710	4135852.450	27.04

\*\* End of LINE VOLUME Source ID = SLINE5

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Onsite Idle

\*\* PREFIX

\*\* Length of Side = 11.50

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.03E-07

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 600515.843, 4135927.528, 27.37, 3.11, 5.35

\*\* 600430.789, 4135860.429, 27.42, 3.11, 5.35

\*\*

LOCATION L0001291	VOLUME	600511.329	4135923.966	27.42
LOCATION L0001292	VOLUME	600502.300	4135916.844	27.50
LOCATION L0001293	VOLUME	600493.271	4135909.721	27.59
LOCATION L0001294	VOLUME	600484.243	4135902.598	27.57
LOCATION L0001295	VOLUME	600475.214	4135895.476	27.59
LOCATION L0001296	VOLUME	600466.185	4135888.353	27.61
LOCATION L0001297	VOLUME	600457.157	4135881.230	27.59
LOCATION L0001298	VOLUME	600448.128	4135874.108	27.58
LOCATION L0001299	VOLUME	600439.099	4135866.985	27.54

\*\* End of LINE VOLUME Source ID = SLINE6

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1



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SRCPARAM	L0000873	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000874	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000875	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000876	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000877	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000878	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000879	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000880	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000881	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000882	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000883	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000884	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000885	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000886	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000887	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000888	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000889	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000890	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000891	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000892	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000893	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000894	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000895	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000896	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000897	0.0000001308	3.11	5.35	2.89
SRCPARAM	L0000898	0.0000001308	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0001121	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001122	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001123	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001124	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001125	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001126	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001127	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001128	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001129	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001130	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001131	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001132	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001133	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001134	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001135	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001136	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001137	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001138	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001139	0.0000001313	3.11	5.35	2.89
SRCPARAM	L0001140	0.0000001313	3.11	5.35	2.89



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SRCPARAM L0001189	0.0000001313	3.11	5.35	2.89
SRCPARAM L0001190	0.0000001313	3.11	5.35	2.89
SRCPARAM L0001191	0.0000001313	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM L0001192	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001193	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001194	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001195	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001196	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001197	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001198	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001199	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001200	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001201	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001202	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001203	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001204	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001205	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001206	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001207	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001208	0.0000001267	3.11	5.35	2.89
SRCPARAM L0001209	0.0000001267	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM L0001210	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001211	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001212	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001213	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001214	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001215	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001216	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001217	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001218	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001219	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001220	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001221	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001222	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001223	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001224	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001225	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001226	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001227	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001228	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001229	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001230	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001231	0.0000001284	3.11	5.35	2.89
SRCPARAM L0001232	0.0000001284	3.11	5.35	2.89

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SRCPARAM	L0001233	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001234	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001235	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001236	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001237	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001238	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001239	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001240	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001241	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001242	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001243	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001244	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001245	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001246	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001247	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001248	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001249	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001250	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001251	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001252	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001253	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001254	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001255	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001256	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001257	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001258	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001259	0.0000001284	3.11	5.35	2.89
SRCPARAM	L0001260	0.0000001284	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM	L0001261	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001262	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001263	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001264	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001265	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001266	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001267	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001268	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001269	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001270	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001271	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001272	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001273	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001274	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001275	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001276	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001277	0.0000002953	3.11	5.35	2.89
SRCPARAM	L0001278	0.0000002953	3.11	5.35	2.89



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SRCPARAM L0001279	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001280	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001281	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001282	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001283	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001284	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001285	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001286	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001287	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001288	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001289	0.0000002953	3.11	5.35	2.89
SRCPARAM L0001290	0.0000002953	3.11	5.35	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE6

SRCPARAM L0001291	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001292	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001293	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001294	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001295	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001296	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001297	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001298	0.0000004478	3.11	5.35	2.89
SRCPARAM L0001299	0.0000004478	3.11	5.35	2.89

\*\*

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "650 N King\_Ops.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE 724945.SFC

PROFFILE 724945.PFL

SURFDATA 23293 2009

UAIRDATA 23230 2009 OAKLAND/WSO\_AP

PROFBASE 15.5 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "650 N King\_Ops.AD\01H1GALL.PLT" 31

PLOTFILE PERIOD ALL "650 N King\_Ops.AD\PE00GALL.PLT" 32

SUMMFILE "650 N King\_Ops.sum"

OU FINISHED

\*\*\*\*\*

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

\*\*\*\*\*

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\*\*\* 08:03:57

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 253 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 1928000.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

- 1. Stack-tip Downwash.
- 2. Model Accounts for ELEVated Terrain Effects.

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- 3. Use Calms Processing Routine.
- 4. Use Missing Data Processing Routine.
- 5. No Exponential Decay.
- 6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions  
TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_2.5

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

\*\*This Run Includes: 253 Source(s); 1 Source Group(s); and 465  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 253 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 14134

\*\*Output Options Selected:

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

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

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\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; 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 = 3.7 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 650 N King\_Ops.err

\*\*File for Summary of Results: 650 N King\_Ops.sum

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
INIT.	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
L0000825		0	0.13080E-06	600363.0	4135852.7	27.1	3.11	5.35	
2.89	YES								
L0000826		0	0.13080E-06	600355.7	4135861.7	27.2	3.11	5.35	
2.89	YES								
L0000827		0	0.13080E-06	600348.5	4135870.6	27.2	3.11	5.35	
2.89	YES								
L0000828		0	0.13080E-06	600341.2	4135879.5	27.2	3.11	5.35	
2.89	YES								
L0000829		0	0.13080E-06	600334.0	4135888.5	27.2	3.11	5.35	
2.89	YES								
L0000830		0	0.13080E-06	600326.7	4135897.4	27.3	3.11	5.35	

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2.89	YES							
L0000831		0	0.13080E-06	600319.5	4135906.3	27.3	3.11	5.35
2.89	YES							
L0000832		0	0.13080E-06	600312.3	4135915.3	27.3	3.11	5.35
2.89	YES							
L0000833		0	0.13080E-06	600305.0	4135924.2	27.2	3.11	5.35
2.89	YES							
L0000834		0	0.13080E-06	600297.8	4135933.1	27.2	3.11	5.35
2.89	YES							
L0000835		0	0.13080E-06	600290.5	4135942.1	27.2	3.11	5.35
2.89	YES							
L0000836		0	0.13080E-06	600283.3	4135951.0	27.2	3.11	5.35
2.89	YES							
L0000837		0	0.13080E-06	600276.0	4135959.9	27.2	3.11	5.35
2.89	YES							
L0000838		0	0.13080E-06	600268.8	4135968.9	27.2	3.11	5.35
2.89	YES							
L0000839		0	0.13080E-06	600261.6	4135977.8	27.2	3.11	5.35
2.89	YES							
L0000840		0	0.13080E-06	600254.3	4135986.7	27.3	3.11	5.35
2.89	YES							
L0000841		0	0.13080E-06	600247.1	4135995.7	27.3	3.11	5.35
2.89	YES							
L0000842		0	0.13080E-06	600239.8	4136004.6	27.4	3.11	5.35
2.89	YES							
L0000843		0	0.13080E-06	600232.6	4136013.5	27.5	3.11	5.35
2.89	YES							
L0000844		0	0.13080E-06	600225.4	4136022.5	27.5	3.11	5.35
2.89	YES							
L0000845		0	0.13080E-06	600218.1	4136031.4	27.5	3.11	5.35
2.89	YES							
L0000846		0	0.13080E-06	600210.9	4136040.3	27.5	3.11	5.35
2.89	YES							
L0000847		0	0.13080E-06	600203.6	4136049.3	27.5	3.11	5.35
2.89	YES							
L0000848		0	0.13080E-06	600196.4	4136058.2	27.5	3.11	5.35
2.89	YES							
L0000849		0	0.13080E-06	600189.1	4136067.1	27.4	3.11	5.35
2.89	YES							
L0000850		0	0.13080E-06	600181.9	4136076.1	27.4	3.11	5.35
2.89	YES							
L0000851		0	0.13080E-06	600174.7	4136085.0	27.4	3.11	5.35
2.89	YES							
L0000852		0	0.13080E-06	600167.4	4136093.9	27.3	3.11	5.35
2.89	YES							
L0000853		0	0.13080E-06	600160.2	4136102.9	27.4	3.11	5.35
2.89	YES							
L0000854		0	0.13080E-06	600152.9	4136111.8	27.4	3.11	5.35

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2.89	YES	L0000855	0	0.13080E-06	600145.7	4136120.7	27.4	3.11	5.35
2.89	YES	L0000856	0	0.13080E-06	600138.4	4136129.7	27.4	3.11	5.35
2.89	YES	L0000857	0	0.13080E-06	600131.2	4136138.6	27.4	3.11	5.35
2.89	YES	L0000858	0	0.13080E-06	600124.0	4136147.5	27.4	3.11	5.35
2.89	YES	L0000859	0	0.13080E-06	600116.8	4136156.5	27.4	3.11	5.35
2.89	YES	L0000860	0	0.13080E-06	600111.2	4136166.6	27.5	3.11	5.35
2.89	YES	L0000861	0	0.13080E-06	600105.6	4136176.6	27.5	3.11	5.35
2.89	YES	L0000862	0	0.13080E-06	600100.0	4136186.7	27.5	3.11	5.35
2.89	YES	L0000863	0	0.13080E-06	600094.5	4136196.7	27.5	3.11	5.35
2.89	YES	L0000864	0	0.13080E-06	600088.9	4136206.8	27.4	3.11	5.35

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

L0000865	0	0.13080E-06	600083.3	4136216.8	27.4	3.11	5.35		
2.89	YES	L0000866	0	0.13080E-06	600077.7	4136226.9	27.6	3.11	5.35
2.89	YES	L0000867	0	0.13080E-06	600072.2	4136237.0	27.6	3.11	5.35
2.89	YES	L0000868	0	0.13080E-06	600066.6	4136247.0	27.7	3.11	5.35

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2.89	YES							
L0000869		0	0.13080E-06	600061.0	4136257.1	27.8	3.11	5.35
2.89	YES							
L0000870		0	0.13080E-06	600055.4	4136267.1	27.7	3.11	5.35
2.89	YES							
L0000871		0	0.13080E-06	600049.9	4136277.2	27.7	3.11	5.35
2.89	YES							
L0000872		0	0.13080E-06	600044.3	4136287.3	27.7	3.11	5.35
2.89	YES							
L0000873		0	0.13080E-06	600038.7	4136297.3	27.8	3.11	5.35
2.89	YES							
L0000874		0	0.13080E-06	600033.1	4136307.4	27.7	3.11	5.35
2.89	YES							
L0000875		0	0.13080E-06	600027.6	4136317.4	27.6	3.11	5.35
2.89	YES							
L0000876		0	0.13080E-06	600022.0	4136327.5	27.6	3.11	5.35
2.89	YES							
L0000877		0	0.13080E-06	600016.4	4136337.5	27.6	3.11	5.35
2.89	YES							
L0000878		0	0.13080E-06	600010.8	4136347.6	27.6	3.11	5.35
2.89	YES							
L0000879		0	0.13080E-06	600005.3	4136357.7	27.7	3.11	5.35
2.89	YES							
L0000880		0	0.13080E-06	599999.7	4136367.7	27.7	3.11	5.35
2.89	YES							
L0000881		0	0.13080E-06	599994.1	4136377.8	27.6	3.11	5.35
2.89	YES							
L0000882		0	0.13080E-06	599988.5	4136387.8	27.7	3.11	5.35
2.89	YES							
L0000883		0	0.13080E-06	599983.0	4136397.9	27.6	3.11	5.35
2.89	YES							
L0000884		0	0.13080E-06	599977.4	4136408.0	27.4	3.11	5.35
2.89	YES							
L0000885		0	0.13080E-06	599971.8	4136418.0	27.5	3.11	5.35
2.89	YES							
L0000886		0	0.13080E-06	599966.2	4136428.1	27.6	3.11	5.35
2.89	YES							
L0000887		0	0.13080E-06	599960.7	4136438.1	27.6	3.11	5.35
2.89	YES							
L0000888		0	0.13080E-06	599955.1	4136448.2	27.6	3.11	5.35
2.89	YES							
L0000889		0	0.13080E-06	599949.5	4136458.2	27.6	3.11	5.35
2.89	YES							
L0000890		0	0.13080E-06	599943.9	4136468.3	27.7	3.11	5.35
2.89	YES							
L0000891		0	0.13080E-06	599938.4	4136478.4	27.9	3.11	5.35
2.89	YES							
L0000892		0	0.13080E-06	599932.8	4136488.4	27.9	3.11	5.35

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2.89	YES							
	L0000893	0	0.13080E-06	599927.2	4136498.5	27.7	3.11	5.35
2.89	YES							
	L0000894	0	0.13080E-06	599921.6	4136508.5	27.5	3.11	5.35
2.89	YES							
	L0000895	0	0.13080E-06	599916.1	4136518.6	27.7	3.11	5.35
2.89	YES							
	L0000896	0	0.13080E-06	599910.5	4136528.7	27.9	3.11	5.35
2.89	YES							
	L0000897	0	0.13080E-06	599904.9	4136538.7	28.0	3.11	5.35
2.89	YES							
	L0000898	0	0.13080E-06	599899.3	4136548.8	28.2	3.11	5.35
2.89	YES							
	L0001121	0	0.13130E-06	600375.7	4135838.7	27.0	3.11	5.35
2.89	YES							
	L0001122	0	0.13130E-06	600382.9	4135829.7	27.0	3.11	5.35
2.89	YES							
	L0001123	0	0.13130E-06	600390.1	4135820.8	26.9	3.11	5.35
2.89	YES							
	L0001124	0	0.13130E-06	600397.3	4135811.8	26.9	3.11	5.35
2.89	YES							
	L0001125	0	0.13130E-06	600404.5	4135802.8	26.9	3.11	5.35
2.89	YES							
	L0001126	0	0.13130E-06	600411.7	4135793.8	26.9	3.11	5.35

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	SY	
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	
L0001127		0	0.13130E-06	600418.9	4135784.9	26.9	3.11	5.35
2.89	YES							
L0001128		0	0.13130E-06	600426.0	4135775.9	26.9	3.11	5.35



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2.89	YES							
L0001129		0	0.13130E-06	600433.2	4135766.9	26.9	3.11	5.35
2.89	YES							
L0001130		0	0.13130E-06	600440.4	4135757.9	26.9	3.11	5.35
2.89	YES							
L0001131		0	0.13130E-06	600447.6	4135748.9	26.9	3.11	5.35
2.89	YES							
L0001132		0	0.13130E-06	600454.8	4135740.0	26.8	3.11	5.35
2.89	YES							
L0001133		0	0.13130E-06	600462.0	4135731.0	26.8	3.11	5.35
2.89	YES							
L0001134		0	0.13130E-06	600469.2	4135722.0	26.8	3.11	5.35
2.89	YES							
L0001135		0	0.13130E-06	600476.3	4135713.0	26.8	3.11	5.35
2.89	YES							
L0001136		0	0.13130E-06	600483.5	4135704.0	26.8	3.11	5.35
2.89	YES							
L0001137		0	0.13130E-06	600490.7	4135695.1	26.8	3.11	5.35
2.89	YES							
L0001138		0	0.13130E-06	600497.9	4135686.1	26.9	3.11	5.35
2.89	YES							
L0001139		0	0.13130E-06	600505.1	4135677.1	26.8	3.11	5.35
2.89	YES							
L0001140		0	0.13130E-06	600512.3	4135668.1	26.8	3.11	5.35
2.89	YES							
L0001141		0	0.13130E-06	600519.5	4135659.2	26.9	3.11	5.35
2.89	YES							
L0001142		0	0.13130E-06	600526.6	4135650.2	26.9	3.11	5.35
2.89	YES							
L0001143		0	0.13130E-06	600533.8	4135641.2	26.9	3.11	5.35
2.89	YES							
L0001144		0	0.13130E-06	600541.0	4135632.2	26.8	3.11	5.35
2.89	YES							
L0001145		0	0.13130E-06	600548.2	4135623.2	26.8	3.11	5.35
2.89	YES							
L0001146		0	0.13130E-06	600555.4	4135614.3	26.8	3.11	5.35
2.89	YES							
L0001147		0	0.13130E-06	600562.6	4135605.3	26.8	3.11	5.35
2.89	YES							
L0001148		0	0.13130E-06	600569.8	4135596.3	26.8	3.11	5.35
2.89	YES							
L0001149		0	0.13130E-06	600576.9	4135587.3	26.9	3.11	5.35
2.89	YES							
L0001150		0	0.13130E-06	600584.1	4135578.3	26.9	3.11	5.35
2.89	YES							
L0001151		0	0.13130E-06	600591.3	4135569.4	27.0	3.11	5.35
2.89	YES							
L0001152		0	0.13130E-06	600598.5	4135560.4	27.1	3.11	5.35

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2.89	YES	L0001153	0	0.13130E-06	600605.7	4135551.4	27.1	3.11	5.35
2.89	YES	L0001154	0	0.13130E-06	600612.9	4135542.4	27.1	3.11	5.35
2.89	YES	L0001155	0	0.13130E-06	600620.1	4135533.5	27.1	3.11	5.35
2.89	YES	L0001156	0	0.13130E-06	600627.2	4135524.5	27.1	3.11	5.35
2.89	YES	L0001157	0	0.13130E-06	600634.4	4135515.5	27.0	3.11	5.35
2.89	YES	L0001158	0	0.13130E-06	600641.6	4135506.5	27.0	3.11	5.35
2.89	YES	L0001159	0	0.13130E-06	600648.8	4135497.5	27.1	3.11	5.35
2.89	YES	L0001160	0	0.13130E-06	600656.0	4135488.6	27.1	3.11	5.35
2.89	YES	L0001161	0	0.13130E-06	600663.2	4135479.6	27.1	3.11	5.35
2.89	YES	L0001162	0	0.13130E-06	600670.4	4135470.6	27.2	3.11	5.35
2.89	YES	L0001163	0	0.13130E-06	600677.5	4135461.6	27.1	3.11	5.35
2.89	YES	L0001164	0	0.13130E-06	600684.7	4135452.6	26.6	3.11	5.35
2.89	YES	L0001165	0	0.13130E-06	600691.9	4135443.7	26.9	3.11	5.35
2.89	YES	L0001166	0	0.13130E-06	600699.1	4135434.7	27.3	3.11	5.35

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

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L0001167	0	0.13130E-06	600706.3	4135425.7	27.2	3.11	5.35
2.89 YES							
L0001168	0	0.13130E-06	600713.5	4135416.7	27.2	3.11	5.35
2.89 YES							
L0001169	0	0.13130E-06	600720.7	4135407.8	27.3	3.11	5.35
2.89 YES							
L0001170	0	0.13130E-06	600727.8	4135398.8	27.3	3.11	5.35
2.89 YES							
L0001171	0	0.13130E-06	600735.0	4135389.8	27.2	3.11	5.35
2.89 YES							
L0001172	0	0.13130E-06	600742.2	4135380.8	27.2	3.11	5.35
2.89 YES							
L0001173	0	0.13130E-06	600749.4	4135371.8	27.2	3.11	5.35
2.89 YES							
L0001174	0	0.13130E-06	600756.6	4135362.9	26.8	3.11	5.35
2.89 YES							
L0001175	0	0.13130E-06	600763.8	4135353.9	26.9	3.11	5.35
2.89 YES							
L0001176	0	0.13130E-06	600771.0	4135344.9	27.3	3.11	5.35
2.89 YES							
L0001177	0	0.13130E-06	600778.1	4135335.9	27.2	3.11	5.35
2.89 YES							
L0001178	0	0.13130E-06	600785.3	4135326.9	27.0	3.11	5.35
2.89 YES							
L0001179	0	0.13130E-06	600792.5	4135318.0	27.1	3.11	5.35
2.89 YES							
L0001180	0	0.13130E-06	600799.7	4135309.0	27.2	3.11	5.35
2.89 YES							
L0001181	0	0.13130E-06	600806.9	4135300.0	26.9	3.11	5.35
2.89 YES							
L0001182	0	0.13130E-06	600814.1	4135291.0	27.0	3.11	5.35
2.89 YES							
L0001183	0	0.13130E-06	600821.3	4135282.1	27.4	3.11	5.35
2.89 YES							
L0001184	0	0.13130E-06	600828.4	4135273.1	27.0	3.11	5.35
2.89 YES							
L0001185	0	0.13130E-06	600835.6	4135264.1	26.8	3.11	5.35
2.89 YES							
L0001186	0	0.13130E-06	600842.8	4135255.1	27.2	3.11	5.35
2.89 YES							
L0001187	0	0.13130E-06	600850.0	4135246.1	27.4	3.11	5.35
2.89 YES							
L0001188	0	0.13130E-06	600857.2	4135237.2	26.7	3.11	5.35
2.89 YES							
L0001189	0	0.13130E-06	600864.4	4135228.2	26.8	3.11	5.35
2.89 YES							
L0001190	0	0.13130E-06	600871.6	4135219.2	27.5	3.11	5.35

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2.89	YES							
L0001191		0	0.13130E-06	600878.7	4135210.2	27.6	3.11	5.35
2.89	YES							
L0001192		0	0.12670E-06	600652.7	4135829.9	27.7	3.11	5.35
2.89	YES							
L0001193		0	0.12670E-06	600644.0	4135822.3	27.6	3.11	5.35
2.89	YES							
L0001194		0	0.12670E-06	600635.4	4135814.8	27.5	3.11	5.35
2.89	YES							
L0001195		0	0.12670E-06	600626.7	4135807.2	27.4	3.11	5.35
2.89	YES							
L0001196		0	0.12670E-06	600618.1	4135799.6	27.4	3.11	5.35
2.89	YES							
L0001197		0	0.12670E-06	600609.4	4135792.0	27.3	3.11	5.35
2.89	YES							
L0001198		0	0.12670E-06	600600.8	4135784.4	27.2	3.11	5.35
2.89	YES							
L0001199		0	0.12670E-06	600592.1	4135776.8	27.0	3.11	5.35
2.89	YES							
L0001200		0	0.12670E-06	600583.5	4135769.2	26.9	3.11	5.35
2.89	YES							
L0001201		0	0.12670E-06	600574.9	4135761.7	26.9	3.11	5.35
2.89	YES							
L0001202		0	0.12670E-06	600566.2	4135754.1	26.8	3.11	5.35
2.89	YES							
L0001203		0	0.12670E-06	600557.6	4135746.5	26.8	3.11	5.35
2.89	YES							
L0001204		0	0.12670E-06	600548.9	4135738.9	26.8	3.11	5.35
2.89	YES							
L0001205		0	0.12670E-06	600540.3	4135731.3	26.9	3.11	5.35
2.89	YES							
L0001206		0	0.12670E-06	600531.6	4135723.7	26.9	3.11	5.35

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

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

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ID (METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0001207	0	0.12670E-06	600523.0	4135716.2	26.9	3.11	5.35
2.89 YES							
L0001208	0	0.12670E-06	600514.3	4135708.6	26.9	3.11	5.35
2.89 YES							
L0001209	0	0.12670E-06	600505.7	4135701.0	26.9	3.11	5.35
2.89 YES							
L0001210	0	0.12840E-06	600884.2	4135196.5	27.6	3.11	5.35
2.89 YES							
L0001211	0	0.12840E-06	600875.5	4135189.0	27.6	3.11	5.35
2.89 YES							
L0001212	0	0.12840E-06	600866.7	4135181.5	27.5	3.11	5.35
2.89 YES							
L0001213	0	0.12840E-06	600858.0	4135174.1	27.4	3.11	5.35
2.89 YES							
L0001214	0	0.12840E-06	600849.2	4135166.6	27.4	3.11	5.35
2.89 YES							
L0001215	0	0.12840E-06	600840.5	4135159.1	27.3	3.11	5.35
2.89 YES							
L0001216	0	0.12840E-06	600831.7	4135151.7	27.2	3.11	5.35
2.89 YES							
L0001217	0	0.12840E-06	600823.0	4135144.2	27.1	3.11	5.35
2.89 YES							
L0001218	0	0.12840E-06	600814.2	4135136.8	27.1	3.11	5.35
2.89 YES							
L0001219	0	0.12840E-06	600805.5	4135129.3	27.2	3.11	5.35
2.89 YES							
L0001220	0	0.12840E-06	600796.7	4135121.8	27.2	3.11	5.35
2.89 YES							
L0001221	0	0.12840E-06	600788.0	4135114.4	27.1	3.11	5.35
2.89 YES							
L0001222	0	0.12840E-06	600779.2	4135106.9	27.1	3.11	5.35
2.89 YES							
L0001223	0	0.12840E-06	600770.5	4135099.4	27.1	3.11	5.35
2.89 YES							
L0001224	0	0.12840E-06	600761.7	4135092.0	27.1	3.11	5.35
2.89 YES							
L0001225	0	0.12840E-06	600753.0	4135084.5	26.9	3.11	5.35
2.89 YES							
L0001226	0	0.12840E-06	600744.2	4135077.0	26.9	3.11	5.35
2.89 YES							
L0001227	0	0.12840E-06	600735.5	4135069.6	26.9	3.11	5.35
2.89 YES							
L0001228	0	0.12840E-06	600726.7	4135062.1	26.9	3.11	5.35

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2.89	YES	L0001229	0	0.12840E-06	600718.0	4135054.7	27.0	3.11	5.35
2.89	YES	L0001230	0	0.12840E-06	600709.2	4135047.2	27.0	3.11	5.35
2.89	YES	L0001231	0	0.12840E-06	600700.5	4135039.7	27.0	3.11	5.35
2.89	YES	L0001232	0	0.12840E-06	600691.7	4135032.3	27.0	3.11	5.35
2.89	YES	L0001233	0	0.12840E-06	600683.0	4135024.8	26.9	3.11	5.35
2.89	YES	L0001234	0	0.12840E-06	600674.2	4135017.3	26.8	3.11	5.35
2.89	YES	L0001235	0	0.12840E-06	600665.5	4135009.9	26.9	3.11	5.35
2.89	YES	L0001236	0	0.12840E-06	600656.7	4135002.4	26.9	3.11	5.35
2.89	YES	L0001237	0	0.12840E-06	600648.0	4134995.0	26.9	3.11	5.35
2.89	YES	L0001238	0	0.12840E-06	600639.2	4134987.5	26.8	3.11	5.35
2.89	YES	L0001239	0	0.12840E-06	600630.5	4134980.0	26.8	3.11	5.35
2.89	YES	L0001240	0	0.12840E-06	600621.7	4134972.6	27.0	3.11	5.35
2.89	YES	L0001241	0	0.12840E-06	600613.0	4134965.1	27.1	3.11	5.35
2.89	YES	L0001242	0	0.12840E-06	600604.3	4134957.6	27.0	3.11	5.35
2.89	YES	L0001243	0	0.12840E-06	600595.5	4134950.1	27.0	3.11	5.35
2.89	YES	L0001244	0	0.12840E-06	600586.8	4134942.7	26.9	3.11	5.35
2.89	YES	L0001245	0	0.12840E-06	600578.1	4134935.2	26.9	3.11	5.35
2.89	YES	L0001246	0	0.12840E-06	600569.3	4134927.7	27.0	3.11	5.35

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC PAGE 7  
 ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

650 N King\_Ops.ADO

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
	ID	SCALAR	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0001247		0	0.12840E-06	600560.6	4134920.2	27.3	3.11	5.35
2.89	YES							
L0001248		0	0.12840E-06	600551.8	4134912.8	27.8	3.11	5.35
2.89	YES							
L0001249		0	0.12840E-06	600543.1	4134905.3	28.3	3.11	5.35
2.89	YES							
L0001250		0	0.12840E-06	600534.4	4134897.8	28.6	3.11	5.35
2.89	YES							
L0001251		0	0.12840E-06	600525.6	4134890.3	28.9	3.11	5.35
2.89	YES							
L0001252		0	0.12840E-06	600516.9	4134882.9	29.2	3.11	5.35
2.89	YES							
L0001253		0	0.12840E-06	600508.2	4134875.4	30.2	3.11	5.35
2.89	YES							
L0001254		0	0.12840E-06	600500.2	4134867.1	30.5	3.11	5.35
2.89	YES							
L0001255		0	0.12840E-06	600492.9	4134858.2	31.0	3.11	5.35
2.89	YES							
L0001256		0	0.12840E-06	600485.7	4134849.3	31.8	3.11	5.35
2.89	YES							
L0001257		0	0.12840E-06	600478.4	4134840.4	32.6	3.11	5.35
2.89	YES							
L0001258		0	0.12840E-06	600471.1	4134831.5	32.9	3.11	5.35
2.89	YES							
L0001259		0	0.12840E-06	600463.8	4134822.6	33.3	3.11	5.35
2.89	YES							
L0001260		0	0.12840E-06	600456.6	4134813.7	33.8	3.11	5.35
2.89	YES							
L0001261		0	0.29530E-06	600632.1	4135839.3	27.7	3.11	5.35
2.89	YES							
L0001262		0	0.29530E-06	600624.6	4135848.0	28.0	3.11	5.35
2.89	YES							
L0001263		0	0.29530E-06	600617.2	4135856.8	28.5	3.11	5.35
2.89	YES							
L0001264		0	0.29530E-06	600609.7	4135865.5	28.4	3.11	5.35
2.89	YES							
L0001265		0	0.29530E-06	600602.2	4135874.2	28.2	3.11	5.35
2.89	YES							
L0001266		0	0.29530E-06	600594.7	4135883.0	28.2	3.11	5.35





\*\*\* VOLUME SOURCE DATA \*\*\*

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

L0001287	0	0.29530E-06	600418.0	4135873.6	27.4	3.11	5.35
2.89 YES							
L0001288	0	0.29530E-06	600408.9	4135866.5	27.3	3.11	5.35
2.89 YES							
L0001289	0	0.29530E-06	600399.8	4135859.5	27.1	3.11	5.35
2.89 YES							
L0001290	0	0.29530E-06	600390.7	4135852.4	27.0	3.11	5.35
2.89 YES							
L0001291	0	0.44780E-07	600511.3	4135924.0	27.4	3.11	5.35
2.89 YES							
L0001292	0	0.44780E-07	600502.3	4135916.8	27.5	3.11	5.35
2.89 YES							
L0001293	0	0.44780E-07	600493.3	4135909.7	27.6	3.11	5.35
2.89 YES							
L0001294	0	0.44780E-07	600484.2	4135902.6	27.6	3.11	5.35
2.89 YES							
L0001295	0	0.44780E-07	600475.2	4135895.5	27.6	3.11	5.35
2.89 YES							
L0001296	0	0.44780E-07	600466.2	4135888.4	27.6	3.11	5.35
2.89 YES							
L0001297	0	0.44780E-07	600457.2	4135881.2	27.6	3.11	5.35
2.89 YES							
L0001298	0	0.44780E-07	600448.1	4135874.1	27.6	3.11	5.35
2.89 YES							
L0001299	0	0.44780E-07	600439.1	4135867.0	27.5	3.11	5.35
2.89 YES							

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
ALL	L0000825	, L0000826	, L0000827	, L0000828	, L0000829	,
L0000830	, L0000831	, L0000832	,			
	L0000833	, L0000834	, L0000835	, L0000836	, L0000837	,
L0000838	, L0000839	, L0000840	,			
	L0000841	, L0000842	, L0000843	, L0000844	, L0000845	,
L0000846	, L0000847	, L0000848	,			
	L0000849	, L0000850	, L0000851	, L0000852	, L0000853	,
L0000854	, L0000855	, L0000856	,			
	L0000857	, L0000858	, L0000859	, L0000860	, L0000861	,
L0000862	, L0000863	, L0000864	,			
	L0000865	, L0000866	, L0000867	, L0000868	, L0000869	,
L0000870	, L0000871	, L0000872	,			
	L0000873	, L0000874	, L0000875	, L0000876	, L0000877	,
L0000878	, L0000879	, L0000880	,			
	L0000881	, L0000882	, L0000883	, L0000884	, L0000885	,
L0000886	, L0000887	, L0000888	,			
	L0000889	, L0000890	, L0000891	, L0000892	, L0000893	,
L0000894	, L0000895	, L0000896	,			
	L0000897	, L0000898	, L0001121	, L0001122	, L0001123	,
L0001124	, L0001125	, L0001126	,			
	L0001127	, L0001128	, L0001129	, L0001130	, L0001131	,
L0001132	, L0001133	, L0001134	,			
	L0001135	, L0001136	, L0001137	, L0001138	, L0001139	,
L0001140	, L0001141	, L0001142	,			
	L0001143	, L0001144	, L0001145	, L0001146	, L0001147	,
L0001148	, L0001149	, L0001150	,			
	L0001151	, L0001152	, L0001153	, L0001154	, L0001155	,
L0001156	, L0001157	, L0001158	,			

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L0001164      L0001159      , L0001160      , L0001161      , L0001162      , L0001163      ,
, L0001165      , L0001166      ,

L0001172      L0001167      , L0001168      , L0001169      , L0001170      , L0001171      ,
, L0001173      , L0001174      ,

L0001180      L0001175      , L0001176      , L0001177      , L0001178      , L0001179      ,
, L0001181      , L0001182      ,

L0001188      L0001183      , L0001184      , L0001185      , L0001186      , L0001187      ,
, L0001189      , L0001190      ,

L0001196      L0001191      , L0001192      , L0001193      , L0001194      , L0001195      ,
, L0001197      , L0001198      ,

L0001204      L0001199      , L0001200      , L0001201      , L0001202      , L0001203      ,
, L0001205      , L0001206      ,
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

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SRCGROUP ID                                     SOURCE IDs
-----
L0001212      L0001207      , L0001208      , L0001209      , L0001210      , L0001211      ,
, L0001213      , L0001214      ,

L0001220      L0001215      , L0001216      , L0001217      , L0001218      , L0001219      ,
, L0001221      , L0001222      ,

L0001228      L0001223      , L0001224      , L0001225      , L0001226      , L0001227      ,
, L0001229      , L0001230      ,

L0001236      L0001231      , L0001232      , L0001233      , L0001234      , L0001235      ,
, L0001237      , L0001238      ,

L0001244      L0001239      , L0001240      , L0001241      , L0001242      , L0001243      ,
, L0001245      , L0001246      ,

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L0001252      L0001247      , L0001248      , L0001249      , L0001250      , L0001251      ,  
                  , L0001253      , L0001254      ,  
  
 L0001260      L0001255      , L0001256      , L0001257      , L0001258      , L0001259      ,  
                  , L0001261      , L0001262      ,  
  
 L0001268      L0001263      , L0001264      , L0001265      , L0001266      , L0001267      ,  
                  , L0001269      , L0001270      ,  
  
 L0001276      L0001271      , L0001272      , L0001273      , L0001274      , L0001275      ,  
                  , L0001277      , L0001278      ,  
  
 L0001284      L0001279      , L0001280      , L0001281      , L0001282      , L0001283      ,  
                  , L0001285      , L0001286      ,  
  
 L0001292      L0001287      , L0001288      , L0001289      , L0001290      , L0001291      ,  
                  , L0001293      , L0001294      ,  
  
 L0001295      , L0001296      , L0001297      , L0001298      , L0001299      ,

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\*\*\* MODELOPTs:      RegDFault      CONC      ELEV      URBAN

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0000829 L0000832	1928000. , L0000830 ,	L0000825 , L0000831	, L0000826	, L0000827	, L0000828	,	
L0000838	L0000833 , L0000839	, L0000834 , L0000840	, L0000835	, L0000836	, L0000837	,	
L0000846	L0000841 , L0000847	, L0000842 , L0000848	, L0000843	, L0000844	, L0000845	,	
L0000854	L0000849 , L0000855	, L0000850 , L0000856	, L0000851	, L0000852	, L0000853	,	

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L0000862 L0000857 , L0000858 , L0000859 , L0000860 , L0000861 ,  
 , L0000863 , L0000864 , ,

L0000870 L0000865 , L0000866 , L0000867 , L0000868 , L0000869 ,  
 , L0000871 , L0000872 , ,

L0000878 L0000873 , L0000874 , L0000875 , L0000876 , L0000877 ,  
 , L0000879 , L0000880 , ,

L0000886 L0000881 , L0000882 , L0000883 , L0000884 , L0000885 ,  
 , L0000887 , L0000888 , ,

L0000894 L0000889 , L0000890 , L0000891 , L0000892 , L0000893 ,  
 , L0000895 , L0000896 , ,

L0001124 L0000897 , L0000898 , L0001121 , L0001122 , L0001123 ,  
 , L0001125 , L0001126 , ,

L0001132 L0001127 , L0001128 , L0001129 , L0001130 , L0001131 ,  
 , L0001133 , L0001134 , ,

L0001140 L0001135 , L0001136 , L0001137 , L0001138 , L0001139 ,  
 , L0001141 , L0001142 , ,

L0001148 L0001143 , L0001144 , L0001145 , L0001146 , L0001147 ,  
 , L0001149 , L0001150 , ,

L0001156 L0001151 , L0001152 , L0001153 , L0001154 , L0001155 ,  
 , L0001157 , L0001158 , ,

L0001164 L0001159 , L0001160 , L0001161 , L0001162 , L0001163 ,  
 , L0001165 , L0001166 , ,

L0001172 L0001167 , L0001168 , L0001169 , L0001170 , L0001171 ,  
 , L0001173 , L0001174 , ,

L0001180 L0001175 , L0001176 , L0001177 , L0001178 , L0001179 ,  
 , L0001181 , L0001182 , ,

L0001188 L0001183 , L0001184 , L0001185 , L0001186 , L0001187 ,  
 , L0001189 , L0001190 , ,

L0001196 L0001191 , L0001192 , L0001193 , L0001194 , L0001195 ,  
 , L0001197 , L0001198 , ,

L0001204 L0001199 , L0001200 , L0001201 , L0001202 , L0001203 ,  
 , L0001205 , L0001206 , ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001212	L0001207 , L0001213	L0001208 , L0001214 , L0001209 , L0001210 , L0001211 ,
L0001220	L0001215 , L0001221	L0001216 , L0001222 , L0001217 , L0001218 , L0001219 ,
L0001228	L0001223 , L0001229	L0001224 , L0001230 , L0001225 , L0001226 , L0001227 ,
L0001236	L0001231 , L0001237	L0001232 , L0001238 , L0001233 , L0001234 , L0001235 ,
L0001244	L0001239 , L0001245	L0001240 , L0001246 , L0001241 , L0001242 , L0001243 ,
L0001252	L0001247 , L0001253	L0001248 , L0001254 , L0001249 , L0001250 , L0001251 ,
L0001260	L0001255 , L0001261	L0001256 , L0001262 , L0001257 , L0001258 , L0001259 ,
L0001268	L0001263 , L0001269	L0001264 , L0001270 , L0001265 , L0001266 , L0001267 ,
L0001276	L0001271 , L0001277	L0001272 , L0001278 , L0001273 , L0001274 , L0001275 ,
L0001284	L0001279 , L0001285	L0001280 , L0001286 , L0001281 , L0001282 , L0001283 ,
L0001292	L0001287 , L0001293	L0001288 , L0001294 , L0001289 , L0001290 , L0001291 ,

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L0001295 , L0001296 , L0001297 , L0001298 , L0001299 ,  
▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600316.3, 4135009.3,	27.0,	27.0,	0.0);	( 600366.3,
4135009.3, 27.1, 27.1,	0.0);			
( 600416.3, 4135009.3,	26.2,	26.2,	0.0);	( 600466.3,
4135009.3, 26.4, 26.4,	0.0);			
( 600516.3, 4135009.3,	26.7,	26.7,	0.0);	( 600566.3,
4135009.3, 26.8, 26.8,	0.0);			
( 600616.3, 4135009.3,	26.6,	26.6,	0.0);	( 600666.3,
4135009.3, 26.9, 26.9,	0.0);			
( 600716.3, 4135009.3,	27.2,	27.2,	0.0);	( 600766.3,
4135009.3, 27.0, 27.0,	0.0);			
( 600816.3, 4135009.3,	27.2,	27.2,	0.0);	( 600866.3,
4135009.3, 27.3, 27.3,	0.0);			
( 600916.3, 4135009.3,	27.2,	27.2,	0.0);	( 600966.3,
4135009.3, 27.2, 27.2,	0.0);			
( 601016.3, 4135009.3,	27.2,	27.2,	0.0);	( 601066.3,
4135009.3, 27.2, 27.2,	0.0);			
( 600316.3, 4135059.3,	27.1,	27.1,	0.0);	( 600366.3,
4135059.3, 26.8, 26.8,	0.0);			
( 600416.3, 4135059.3,	26.4,	26.4,	0.0);	( 600466.3,
4135059.3, 26.4, 26.4,	0.0);			
( 600516.3, 4135059.3,	26.2,	26.2,	0.0);	( 600566.3,
4135059.3, 26.7, 26.7,	0.0);			
( 600616.3, 4135059.3,	26.8,	26.8,	0.0);	( 600666.3,
4135059.3, 26.8, 26.8,	0.0);			
( 600716.3, 4135059.3,	26.9,	26.9,	0.0);	( 600766.3,
4135059.3, 27.0, 27.0,	0.0);			
( 600816.3, 4135059.3,	27.1,	27.1,	0.0);	( 600866.3,
4135059.3, 27.3, 27.3,	0.0);			
( 600916.3, 4135059.3,	27.2,	27.2,	0.0);	( 600966.3,
4135059.3, 27.1, 27.1,	0.0);			
( 601016.3, 4135059.3,	27.2,	27.2,	0.0);	( 601066.3,
4135059.3, 26.7, 26.7,	0.0);			
( 600266.3, 4135109.3,	24.8,	27.6,	0.0);	( 600316.3,
4135109.3, 27.0, 27.0,	0.0);			

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( 600366.3, 4135109.3, 27.0, 27.0, 0.0); ( 600416.3,  
4135109.3, 26.7, 26.7, 0.0);  
( 600466.3, 4135109.3, 26.4, 26.4, 0.0); ( 600516.3,  
4135109.3, 26.5, 26.5, 0.0);  
( 600566.3, 4135109.3, 26.7, 26.7, 0.0); ( 600616.3,  
4135109.3, 26.6, 26.6, 0.0);  
( 600666.3, 4135109.3, 26.8, 26.8, 0.0); ( 600716.3,  
4135109.3, 26.8, 26.8, 0.0);  
( 600766.3, 4135109.3, 27.0, 27.0, 0.0); ( 600816.3,  
4135109.3, 27.2, 27.2, 0.0);  
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( 600966.3, 4135109.3, 27.3, 27.3, 0.0); ( 601016.3,  
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( 601066.3, 4135109.3, 27.7, 27.7, 0.0); ( 600316.3,  
4135159.3, 24.1, 27.1, 0.0);  
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( 600466.3, 4135159.3, 26.5, 26.5, 0.0); ( 600516.3,  
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( 600566.3, 4135159.3, 26.7, 26.7, 0.0); ( 600616.3,  
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( 600666.3, 4135159.3, 26.7, 26.7, 0.0); ( 600716.3,  
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( 600766.3, 4135159.3, 27.1, 27.1, 0.0); ( 600816.3,  
4135159.3, 27.2, 27.2, 0.0);  
( 600866.3, 4135159.3, 27.4, 27.4, 0.0); ( 600916.3,  
4135159.3, 27.4, 27.4, 0.0);  
( 600966.3, 4135159.3, 27.7, 28.1, 0.0); ( 601016.3,  
4135159.3, 27.9, 27.9, 0.0);  
( 601066.3, 4135159.3, 28.4, 28.4, 0.0); ( 600366.3,  
4135209.3, 24.9, 27.0, 0.0);  
( 600416.3, 4135209.3, 26.6, 26.6, 0.0); ( 600466.3,  
4135209.3, 26.8, 26.8, 0.0);  
( 600516.3, 4135209.3, 26.7, 26.7, 0.0); ( 600566.3,  
4135209.3, 26.5, 26.5, 0.0);  
( 600616.3, 4135209.3, 26.9, 26.9, 0.0); ( 600666.3,  
4135209.3, 26.5, 26.5, 0.0);  
( 600716.3, 4135209.3, 26.4, 26.4, 0.0); ( 600766.3,  
4135209.3, 27.2, 27.2, 0.0);  
( 600816.3, 4135209.3, 27.8, 27.8, 0.0); ( 600866.3,  
4135209.3, 27.0, 27.0, 0.0);  
( 600916.3, 4135209.3, 27.6, 27.6, 0.0); ( 600966.3,  
4135209.3, 26.7, 28.1, 0.0);  
( 601016.3, 4135209.3, 26.5, 26.5, 0.0); ( 601066.3,  
4135209.3, 26.4, 27.6, 0.0);  
( 600366.3, 4135259.3, 23.6, 23.6, 0.0); ( 600416.3,  
4135259.3, 26.6, 26.6, 0.0);



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( 600466.3, 4135259.3,	26.9,	26.9,	0.0);	( 600516.3,
4135259.3, 26.6,	26.6,	0.0);		
( 600566.3, 4135259.3,	26.9,	26.9,	0.0);	( 600616.3,
4135259.3, 26.8,	26.8,	0.0);		
( 600666.3, 4135259.3,	26.8,	26.8,	0.0);	( 600716.3,
4135259.3, 26.8,	26.8,	0.0);		
( 600766.3, 4135259.3,	26.7,	26.7,	0.0);	( 600816.3,
4135259.3, 25.3,	27.5,	0.0);		

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\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600866.3, 4135259.3,	27.5,	27.5,	0.0);	( 600916.3,
4135259.3, 27.5,	27.5,	0.0);		
( 600966.3, 4135259.3,	27.4,	27.4,	0.0);	( 601016.3,
4135259.3, 28.0,	28.0,	0.0);		
( 601066.3, 4135259.3,	28.0,	28.0,	0.0);	( 600416.3,
4135309.3, 26.6,	26.6,	0.0);		
( 600466.3, 4135309.3,	26.6,	26.6,	0.0);	( 600516.3,
4135309.3, 27.0,	27.0,	0.0);		
( 600566.3, 4135309.3,	27.0,	27.0,	0.0);	( 600616.3,
4135309.3, 26.9,	26.9,	0.0);		
( 600666.3, 4135309.3,	27.1,	27.1,	0.0);	( 600716.3,
4135309.3, 26.5,	26.5,	0.0);		
( 600766.3, 4135309.3,	26.0,	26.0,	0.0);	( 600816.3,
4135309.3, 27.0,	27.0,	0.0);		
( 600866.3, 4135309.3,	27.4,	27.4,	0.0);	( 600916.3,
4135309.3, 27.6,	27.6,	0.0);		
( 600966.3, 4135309.3,	27.6,	27.6,	0.0);	( 601016.3,
4135309.3, 27.9,	27.9,	0.0);		
( 601066.3, 4135309.3,	28.1,	28.1,	0.0);	( 600416.3,
4135359.3, 23.9,	27.1,	0.0);		
( 600466.3, 4135359.3,	25.9,	25.9,	0.0);	( 600516.3,
4135359.3, 26.9,	26.9,	0.0);		
( 600566.3, 4135359.3,	26.8,	26.8,	0.0);	( 600616.3,
4135359.3, 27.2,	27.2,	0.0);		
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( 600766.3, 4135359.3,	27.0,	27.0,	0.0);	( 600816.3,
4135359.3, 27.0,	27.0,	0.0);		

650 N King\_Ops.ADO

( 600866.3, 4135359.3, 26.8, 26.8, 0.0); ( 600916.3, 4135359.3, 27.2, 27.2, 0.0);  
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 ( 600916.3, 4135409.3, 26.9, 26.9, 0.0); ( 600966.3, 4135409.3, 27.4, 27.4, 0.0);  
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 ( 601066.3, 4135459.3, 28.3, 28.3, 0.0); ( 600666.3, 4135509.3, 27.0, 27.0, 0.0);  
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 ( 600816.3, 4135509.3, 26.9, 26.9, 0.0); ( 600866.3, 4135509.3, 27.4, 27.4, 0.0);  
 ( 600916.3, 4135509.3, 27.7, 27.7, 0.0); ( 600966.3, 4135509.3, 28.1, 28.1, 0.0);  
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 ( 600916.3, 4135559.3, 27.9, 27.9, 0.0); ( 600966.3, 4135559.3, 28.4, 28.4, 0.0);  
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650 N King\_Ops.ADO

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( 600766.3, 4135609.3,	27.3,	27.3,	0.0);	( 601016.3,
4135609.3, 27.5, 27.5,	0.0);			( 600516.3,
( 600866.3, 4135609.3,	28.3,	28.3,	0.0);	( 600616.3,
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4135609.3, 28.2, 28.2,	0.0);			
( 601066.3, 4135609.3,	28.2,	28.2,	0.0);	
4135659.3, 26.9, 26.9,	0.0);			
( 600566.3, 4135659.3,	26.8,	26.8,	0.0);	
4135659.3, 26.7, 26.7,	0.0);			

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

( 600666.3, 4135659.3,	26.8,	26.8,	0.0);	( 600716.3,
4135659.3, 27.5, 27.5,	0.0);			( 600816.3,
( 600766.3, 4135659.3,	27.9,	27.9,	0.0);	( 600916.3,
4135659.3, 27.8, 27.8,	0.0);			( 601016.3,
( 600866.3, 4135659.3,	28.4,	28.4,	0.0);	( 600566.3,
4135659.3, 28.1, 28.1,	0.0);			( 600666.3,
( 600966.3, 4135659.3,	28.1,	28.1,	0.0);	( 600766.3,
4135659.3, 28.3, 28.3,	0.0);			( 600866.3,
( 601066.3, 4135659.3,	28.7,	28.7,	0.0);	( 600966.3,
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( 600616.3, 4135709.3,	26.9,	26.9,	0.0);	( 600666.3,
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( 600716.3, 4135709.3,	28.1,	28.1,	0.0);	( 600866.3,
4135709.3, 27.9, 27.9,	0.0);			( 600966.3,
( 600816.3, 4135709.3,	28.4,	28.4,	0.0);	( 601066.3,
4135709.3, 28.0, 28.0,	0.0);			( 600666.3,
( 600916.3, 4135709.3,	28.4,	28.4,	0.0);	
4135709.3, 28.2, 28.2,	0.0);			
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650 N King\_Ops.ADO

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650 N King_Ops.ADO
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( 600966.3, 4136109.3, 30.5, 30.5, 0.0); ( 601016.3,
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( 601066.3, 4136109.3, 30.7, 30.7, 0.0); ( 599866.3,
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^ *** AERMOD - VERSION 21112 *** *** 650 N King Operations
*** 08/11/21
*** AERMET - VERSION 14134 *** ***
*** 08:03:57

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

```

( 599916.3, 4136159.3, 27.1, 27.1, 0.0); ( 599966.3,
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( 600266.3, 4136159.3, 27.2, 27.2, 0.0); ( 600316.3,
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( 600766.3, 4136159.3, 30.6, 30.6, 0.0); ( 601016.3,
4136159.3, 31.0, 31.0, 0.0);

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650 N King\_Ops.ADO

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( 599966.3, 4136309.3, 27.6, 27.6, 0.0); ( 600016.3,  
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650 N King_Ops.ADO
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^ *** AERMOD - VERSION 21112 *** *** 650 N King Operations
*** 08/11/21
*** AERMET - VERSION 14134 *** ***
*** 08:03:57

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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( 600266.3, 4136359.3, 30.1, 30.1, 0.0); ( 600316.3,
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( 600466.3, 4136359.3, 30.9, 30.9, 0.0); ( 600516.3,
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( 600566.3, 4136359.3, 31.1, 31.1, 0.0); ( 600616.3,
4136359.3, 31.4, 31.4, 0.0);
( 600666.3, 4136359.3, 31.7, 31.7, 0.0); ( 600716.3,
4136359.3, 31.8, 31.8, 0.0);

```

650 N King\_Ops.ADO

( 600766.3, 4136359.3, 32.2, 32.2, 0.0); ( 600816.3,  
4136359.3, 32.8, 32.8, 0.0);  
( 600866.3, 4136359.3, 32.3, 32.3, 0.0); ( 600916.3,  
4136359.3, 32.5, 32.5, 0.0);  
( 600966.3, 4136359.3, 32.6, 32.6, 0.0); ( 601016.3,  
4136359.3, 33.5, 33.5, 0.0);  
( 601066.3, 4136359.3, 32.9, 32.9, 0.0); ( 599866.3,  
4136409.3, 28.3, 28.3, 0.0);  
( 599916.3, 4136409.3, 27.8, 27.8, 0.0); ( 600016.3,  
4136409.3, 28.1, 28.1, 0.0);  
( 600066.3, 4136409.3, 27.5, 27.5, 0.0); ( 600216.3,  
4136409.3, 29.7, 29.7, 0.0);  
( 600266.3, 4136409.3, 30.5, 30.5, 0.0); ( 600316.3,  
4136409.3, 30.9, 30.9, 0.0);  
( 600366.3, 4136409.3, 31.2, 31.2, 0.0); ( 600416.3,  
4136409.3, 31.0, 31.0, 0.0);  
( 600466.3, 4136409.3, 31.0, 31.0, 0.0); ( 600516.3,  
4136409.3, 31.3, 31.3, 0.0);  
( 600566.3, 4136409.3, 31.7, 31.7, 0.0); ( 600616.3,  
4136409.3, 31.8, 31.8, 0.0);  
( 600666.3, 4136409.3, 32.1, 32.1, 0.0); ( 600716.3,  
4136409.3, 32.2, 32.2, 0.0);  
( 600766.3, 4136409.3, 32.4, 32.4, 0.0); ( 600816.3,  
4136409.3, 32.6, 32.6, 0.0);  
( 600866.3, 4136409.3, 32.8, 32.8, 0.0); ( 600916.3,  
4136409.3, 32.5, 32.5, 0.0);  
( 600966.3, 4136409.3, 33.5, 33.5, 0.0); ( 601016.3,  
4136409.3, 33.4, 33.4, 0.0);  
( 601066.3, 4136409.3, 33.4, 33.4, 0.0); ( 599866.3,  
4136459.3, 27.5, 27.5, 0.0);  
( 599916.3, 4136459.3, 28.4, 28.4, 0.0); ( 599966.3,  
4136459.3, 27.6, 27.6, 0.0);  
( 600016.3, 4136459.3, 28.1, 28.1, 0.0); ( 600066.3,  
4136459.3, 27.9, 27.9, 0.0);  
( 600216.3, 4136459.3, 29.3, 29.3, 0.0); ( 600266.3,  
4136459.3, 30.2, 30.2, 0.0);  
( 600316.3, 4136459.3, 30.6, 30.6, 0.0); ( 600366.3,  
4136459.3, 31.1, 31.1, 0.0);  
( 600416.3, 4136459.3, 31.0, 31.0, 0.0); ( 600466.3,  
4136459.3, 31.5, 31.5, 0.0);  
( 600516.3, 4136459.3, 31.9, 31.9, 0.0); ( 600566.3,  
4136459.3, 32.0, 32.0, 0.0);  
( 600616.3, 4136459.3, 32.6, 32.6, 0.0); ( 600666.3,  
4136459.3, 32.6, 32.6, 0.0);  
( 600716.3, 4136459.3, 32.2, 32.2, 0.0); ( 600766.3,  
4136459.3, 32.4, 32.4, 0.0);  
( 600816.3, 4136459.3, 32.9, 32.9, 0.0); ( 600866.3,  
4136459.3, 33.1, 33.1, 0.0);



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( 600916.3, 4136459.3,	33.2,	33.2,	0.0);	( 600966.3,
4136459.3, 33.9, 33.9,	0.0);			( 601066.3,
( 601016.3, 4136459.3,	34.2,	34.2,	0.0);	( 601066.3,
4136459.3, 33.9, 33.9,	0.0);			( 599966.3,
( 599866.3, 4136509.3,	28.1,	28.1,	0.0);	( 599966.3,
4136509.3, 28.4, 28.4,	0.0);			( 600266.3,
( 600016.3, 4136509.3,	28.7,	28.7,	0.0);	( 600266.3,
4136509.3, 30.7, 30.7,	0.0);			( 600366.3,
( 600316.3, 4136509.3,	29.8,	29.8,	0.0);	( 600366.3,
4136509.3, 30.3, 30.3,	0.0);			( 600466.3,
( 600416.3, 4136509.3,	30.9,	30.9,	0.0);	( 600466.3,
4136509.3, 31.3, 31.3,	0.0);			( 600566.3,
( 600516.3, 4136509.3,	32.6,	32.6,	0.0);	( 600566.3,
4136509.3, 32.4, 32.4,	0.0);			( 600666.3,
( 600616.3, 4136509.3,	33.3,	33.3,	0.0);	( 600666.3,
4136509.3, 32.8, 32.8,	0.0);			( 600766.3,
( 600716.3, 4136509.3,	33.6,	33.6,	0.0);	( 600766.3,
4136509.3, 33.6, 33.6,	0.0);			( 600866.3,
( 600816.3, 4136509.3,	33.8,	33.8,	0.0);	( 600866.3,
4136509.3, 33.7, 33.7,	0.0);			( 600966.3,
( 600916.3, 4136509.3,	33.6,	33.6,	0.0);	( 600966.3,
4136509.3, 34.1, 34.1,	0.0);			( 601066.3,
( 601016.3, 4136509.3,	34.3,	34.3,	0.0);	( 601066.3,
4136509.3, 33.6, 33.6,	0.0);			( 599916.3,
( 599866.3, 4136559.3,	27.0,	27.0,	0.0);	( 599916.3,
4136559.3, 27.9, 27.9,	0.0);			( 600016.3,
( 599966.3, 4136559.3,	28.7,	28.7,	0.0);	( 600016.3,
4136559.3, 28.9, 28.9,	0.0);			( 600216.3,
( 600066.3, 4136559.3,	28.4,	28.4,	0.0);	( 600216.3,
4136559.3, 30.1, 30.1,	0.0);			( 600316.3,
( 600266.3, 4136559.3,	30.2,	30.2,	0.0);	( 600316.3,
4136559.3, 31.1, 31.1,	0.0);			

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

( 600366.3, 4136559.3,	31.7,	31.7,	0.0);	( 600416.3,
4136559.3, 31.9, 31.9,	0.0);			( 600516.3,
( 600466.3, 4136559.3,	31.6,	31.6,	0.0);	( 600516.3,
4136559.3, 31.8, 31.8,	0.0);			

```

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( 600566.3, 4136559.3, 32.6, 32.6, 0.0); ( 600616.3,
4136559.3, 32.8, 32.8, 0.0);
( 600666.3, 4136559.3, 33.4, 33.4, 0.0); ( 600716.3,
4136559.3, 33.8, 33.8, 0.0);
( 600766.3, 4136559.3, 34.2, 34.2, 0.0); ( 600816.3,
4136559.3, 33.9, 33.9, 0.0);
( 600866.3, 4136559.3, 33.9, 33.9, 0.0); ( 600916.3,
4136559.3, 34.0, 34.0, 0.0);
( 600966.3, 4136559.3, 34.1, 34.1, 0.0); ( 601016.3,
4136559.3, 34.8, 34.8, 0.0);
( 601066.3, 4136559.3, 34.9, 34.9, 0.0);

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT  
BE PERFORMED \*  
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR  
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-1.81	L0001140	600516.3	4135659.3
-8.34	L0001141	600516.3	4135659.3
0.48	L0001146	600566.3	4135609.3
-6.01	L0001147	600566.3	4135609.3
0.49	L0001162	600666.3	4135459.3
-0.02	L0001163	600666.3	4135459.3
-3.57	L0001168	600716.3	4135409.3
	L0001169	600716.3	4135409.3

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-6.87	L0001174	600766.3	4135359.3
-1.17	L0001175	600766.3	4135359.3
-5.51	L0001190	600866.3	4135209.3
-0.30	L0001191	600866.3	4135209.3
0.98	L0001223	600766.3	4135109.3
-0.76	L0001228	600716.3	4135059.3
-0.68	L0001229	600716.3	4135059.3
-6.54	L0001234	600666.3	4135009.3
-0.20	L0001235	600666.3	4135009.3
-10.53	L0001236	600666.3	4135009.3
0.27			

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* 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

```

650 N King\_Ops.ADO

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

CATEGORIES \*\*\* \*\*\*(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\*(METERS/SEC)
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

DATA \*\*\* \*\*\*(METERS/SEC)
\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

Surface file: 724945.SFC
Met Version: 14134
Profile file: 724945.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23293
Name: UNKNOWN

Upper air station no.: 23230
Name:

OAKLAND/WSO\_AP

Year: 2009

Year: 2009

Table with 13 columns: YR, MO, DY, JDY, HR, H0, U\*, W\*, DT/DZ, ZICNV, ZIMCH, M-O, LEN, Z0, BOWEN. It contains 4 rows of meteorological data for the first 24 hours.

650 N King\_Ops.ADO

1.00	2.36	73.	10.0	281.4	2.0								
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	282.0	2.0								
09	01	01	1	06	-9.7	0.170	-9.000	-9.000	-999.	168.	46.1	0.47	1.10
1.00	1.76	342.	10.0	281.4	2.0								
09	01	01	1	07	-13.5	0.236	-9.000	-9.000	-999.	275.	88.6	0.32	1.10
1.00	2.36	5.	10.0	281.4	2.0								
09	01	01	1	08	-19.7	0.345	-9.000	-9.000	-999.	486.	189.6	0.47	1.10
0.74	2.86	333.	10.0	280.9	2.0								
09	01	01	1	09	-8.3	0.363	-9.000	-9.000	-999.	526.	525.4	0.47	1.10
0.39	2.86	327.	10.0	280.9	2.0								
09	01	01	1	10	8.1	0.382	0.288	0.014	106.	566.	-625.1	0.47	1.10
0.27	2.86	351.	10.0	280.9	2.0								
09	01	01	1	11	17.6	-9.000	-9.000	-9.000	189.	-999.	-99999.0	0.25	1.10
0.23	0.00	0.	10.0	280.9	2.0								
09	01	01	1	12	23.0	-9.000	-9.000	-9.000	259.	-999.	-99999.0	0.25	1.10
0.21	0.00	0.	10.0	281.4	2.0								
09	01	01	1	13	23.9	-9.000	-9.000	-9.000	315.	-999.	-99999.0	0.25	1.10
0.21	0.00	0.	10.0	281.4	2.0								
09	01	01	1	14	48.5	-9.000	-9.000	-9.000	407.	-999.	-99999.0	0.25	1.10
0.22	0.00	0.	10.0	283.1	2.0								
09	01	01	1	15	69.5	0.319	0.953	0.016	453.	433.	-42.6	0.32	1.10
0.25	2.36	32.	10.0	283.1	2.0								
09	01	01	1	16	24.5	-9.000	-9.000	-9.000	460.	-999.	-99999.0	0.25	1.10
0.33	0.00	0.	10.0	283.1	2.0								
09	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
0.57	0.00	0.	10.0	283.1	2.0								
09	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	282.5	2.0								
09	01	01	1	19	-24.2	0.212	-9.000	-9.000	-999.	235.	35.9	0.47	1.10
1.00	2.36	324.	10.0	281.4	2.0								
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	281.4	2.0								
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.25	1.10
1.00	0.00	0.	10.0	280.4	2.0								
09	01	01	1	24	-9.7	0.170	-9.000	-9.000	-999.	168.	45.7	0.47	1.10
1.00	1.76	310.	10.0	280.4	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	-999.	-99.00	282.6	99.0	-99.00	-99.00

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
600316.29	4135009.32	0.00007	600366.29
4135009.32	0.00009		
600416.29	4135009.32	0.00010	600466.29
4135009.32	0.00013		
600516.29	4135009.32	0.00018	600566.29
4135009.32	0.00026		
600616.29	4135009.32	0.00043	600666.29
4135009.32	0.00042		
600716.29	4135009.32	0.00049	600766.29
4135009.32	0.00031		
600816.29	4135009.32	0.00023	600866.29
4135009.32	0.00018		
600916.29	4135009.32	0.00015	600966.29
4135009.32	0.00013		
601016.29	4135009.32	0.00011	601066.29
4135009.32	0.00010		
600316.29	4135059.32	0.00007	600366.29
4135059.32	0.00008		
600416.29	4135059.32	0.00010	600466.29

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4135059.32	0.00012			
600516.29	4135059.32	0.00014		600566.29
4135059.32	0.00019			
600616.29	4135059.32	0.00025		600666.29
4135059.32	0.00040			
600716.29	4135059.32	0.00055		600766.29
4135059.32	0.00056			
600816.29	4135059.32	0.00034		600866.29
4135059.32	0.00024			
600916.29	4135059.32	0.00019		600966.29
4135059.32	0.00016			
601016.29	4135059.32	0.00013		601066.29
4135059.32	0.00011			
600266.29	4135109.32	0.00006		600316.29
4135109.32	0.00007			
600366.29	4135109.32	0.00008		600416.29
4135109.32	0.00009			
600466.29	4135109.32	0.00011		600516.29
4135109.32	0.00013			
600566.29	4135109.32	0.00015		600616.29
4135109.32	0.00019			
600666.29	4135109.32	0.00025		600716.29
4135109.32	0.00038			
600766.29	4135109.32	0.00065		600816.29
4135109.32	0.00064			
600866.29	4135109.32	0.00036		600916.29
4135109.32	0.00025			
600966.29	4135109.32	0.00019		601016.29
4135109.32	0.00016			
601066.29	4135109.32	0.00013		600316.29
4135159.32	0.00007			
600366.29	4135159.32	0.00008		600416.29
4135159.32	0.00009			
600466.29	4135159.32	0.00010		600516.29
4135159.32	0.00012			
600566.29	4135159.32	0.00014		600616.29
4135159.32	0.00016			
600666.29	4135159.32	0.00020		600716.29
4135159.32	0.00026			
600766.29	4135159.32	0.00037		600816.29
4135159.32	0.00071			
600866.29	4135159.32	0.00075		600916.29
4135159.32	0.00037			
600966.29	4135159.32	0.00024		601016.29
4135159.32	0.00018			
601066.29	4135159.32	0.00014		600366.29
4135209.32	0.00008			
600416.29	4135209.32	0.00009		600466.29

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4135209.32	0.00010			
	600516.29	4135209.32	0.00011	600566.29
4135209.32	0.00013			
	600616.29	4135209.32	0.00015	600666.29
4135209.32	0.00018			
	600716.29	4135209.32	0.00022	600766.29
4135209.32	0.00029			
	600816.29	4135209.32	0.00043	600866.29
4135209.32	0.00063			
	600916.29	4135209.32	0.00048	600966.29
4135209.32	0.00026			
	601016.29	4135209.32	0.00018	601066.29
4135209.32	0.00014			

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

\*\*\*  
 INCLUDING SOURCE(S): L0000825, L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
600366.29	4135259.32	0.00008	600416.29
4135259.32	0.00009		
600466.29	4135259.32	0.00010	600516.29
4135259.32	0.00012		
600566.29	4135259.32	0.00013	600616.29
4135259.32	0.00015		



650 N King\_Ops.ADO

600666.29	4135259.32	0.00018	600716.29
4135259.32	0.00023		
600766.29	4135259.32	0.00033	600816.29
4135259.32	0.00061		
600866.29	4135259.32	0.00076	600916.29
4135259.32	0.00036		
600966.29	4135259.32	0.00023	601016.29
4135259.32	0.00017		
601066.29	4135259.32	0.00014	600416.29
4135309.32	0.00010		
600466.29	4135309.32	0.00011	600516.29
4135309.32	0.00012		
600566.29	4135309.32	0.00014	600616.29
4135309.32	0.00017		
600666.29	4135309.32	0.00021	600716.29
4135309.32	0.00029		
600766.29	4135309.32	0.00051	600816.29
4135309.32	0.00096		
600866.29	4135309.32	0.00044	600916.29
4135309.32	0.00028		
600966.29	4135309.32	0.00020	601016.29
4135309.32	0.00016		
601066.29	4135309.32	0.00013	600416.29
4135359.32	0.00010		
600466.29	4135359.32	0.00012	600516.29
4135359.32	0.00014		
600566.29	4135359.32	0.00016	600616.29
4135359.32	0.00020		
600666.29	4135359.32	0.00027	600716.29
4135359.32	0.00045		
600766.29	4135359.32	0.00071	600816.29
4135359.32	0.00049		
600866.29	4135359.32	0.00031	600916.29
4135359.32	0.00023		
600966.29	4135359.32	0.00018	601016.29
4135359.32	0.00015		
601066.29	4135359.32	0.00013	600466.29
4135409.32	0.00013		
600516.29	4135409.32	0.00015	600566.29
4135409.32	0.00019		
600616.29	4135409.32	0.00025	600666.29
4135409.32	0.00039		
600716.29	4135409.32	0.00068	600766.29
4135409.32	0.00056		
600816.29	4135409.32	0.00035	600866.29
4135409.32	0.00026		
600916.29	4135409.32	0.00020	600966.29
4135409.32	0.00017		

650 N King\_Ops.ADO

	601016.29	4135409.32	0.00014	601066.29
4135409.32	0.00012			
	600566.29	4135459.32	0.00024	600616.29
4135459.32	0.00036			
	600666.29	4135459.32	0.00060	600716.29
4135459.32	0.00066			
	600766.29	4135459.32	0.00038	600816.29
4135459.32	0.00028			
	600866.29	4135459.32	0.00022	600916.29
4135459.32	0.00018			
	600966.29	4135459.32	0.00016	601016.29
4135459.32	0.00014			
	601066.29	4135459.32	0.00012	600666.29
4135509.32	0.00079			
	600716.29	4135509.32	0.00043	600766.29
4135509.32	0.00031			
	600816.29	4135509.32	0.00024	600866.29
4135509.32	0.00020			
	600916.29	4135509.32	0.00017	600966.29
4135509.32	0.00015			
	601016.29	4135509.32	0.00014	601066.29
4135509.32	0.00012			
	600616.29	4135559.32	0.00101	600666.29
4135559.32	0.00049			
	600716.29	4135559.32	0.00034	600766.29
4135559.32	0.00027			

\*\*\* AERMOD - VERSION 21112 \*\*\*    \*\*\* 650 N King Operations  
    \*\*\*     08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\*    \*\*\*  
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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

\*\*\*  
 INCLUDING SOURCE(S):    L0000825    ,    L0000826  
 , L0000827    , L0000828    , L0000829    ,  
    L0000830    , L0000831    , L0000832    , L0000833    , L0000834  
 , L0000835    , L0000836    , L0000837    ,  
    L0000838    , L0000839    , L0000840    , L0000841    , L0000842  
 , L0000843    , L0000844    , L0000845    ,  
    L0000846    , L0000847    , L0000848    , L0000849    , L0000850  
 , L0000851    , L0000852    , . . .    ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\*

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4135559.32	600816.29	4135559.32	0.00023	600866.29
4135559.32	600916.29	4135559.32	0.00017	600966.29
4135559.32	601016.29	4135559.32	0.00014	601066.29
4135609.32	600566.29	4135609.32	0.00079	600616.29
4135609.32	600666.29	4135609.32	0.00039	600716.29
4135609.32	600766.29	4135609.32	0.00026	600816.29
4135609.32	600866.29	4135609.32	0.00020	600916.29
4135609.32	600966.29	4135609.32	0.00016	601016.29
4135659.32	601066.29	4135609.32	0.00013	600516.29
4135659.32	600566.29	4135659.32	0.00072	600616.29
4135659.32	600666.29	4135659.32	0.00038	600716.29
4135659.32	600766.29	4135659.32	0.00027	600816.29
4135659.32	600866.29	4135659.32	0.00021	600916.29
4135659.32	600966.29	4135659.32	0.00016	601016.29
4135709.32	601066.29	4135659.32	0.00013	600566.29
4135709.32	600616.29	4135709.32	0.00055	600666.29
4135709.32	600716.29	4135709.32	0.00035	600766.29
4135709.32	600816.29	4135709.32	0.00026	600866.29
4135709.32	600916.29	4135709.32	0.00019	600966.29
4135709.32	601016.29	4135709.32	0.00014	601066.29
4135709.32	600616.29	4135759.32	0.00081	600666.29



650 N King\_Ops.ADO

VALUES FOR SOURCE GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
599866.29	4136009.32	0.00008	599916.29
4136009.32	0.00009		
600866.29	4136009.32	0.00013	600916.29
4136009.32	0.00011		
600966.29	4136009.32	0.00010	601016.29
4136009.32	0.00009		
601066.29	4136009.32	0.00008	599866.29
4136059.32	0.00009		
599916.29	4136059.32	0.00010	599966.29
4136059.32	0.00012		
600216.29	4136059.32	0.00092	600266.29
4136059.32	0.00048		
600916.29	4136059.32	0.00010	600966.29
4136059.32	0.00009		
601016.29	4136059.32	0.00008	601066.29
4136059.32	0.00007		
599866.29	4136109.32	0.00009	599916.29
4136109.32	0.00011		
599966.29	4136109.32	0.00014	600016.29
4136109.32	0.00018		
600216.29	4136109.32	0.00050	600266.29
4136109.32	0.00035		
600316.29	4136109.32	0.00029	600366.29
4136109.32	0.00027		
600416.29	4136109.32	0.00025	600466.29
4136109.32	0.00025		
600966.29	4136109.32	0.00008	601016.29
4136109.32	0.00007		

650 N King\_Ops.ADO

	601066.29	4136109.32	0.00007	599866.29
4136159.32	0.00010			
	599916.29	4136159.32	0.00012	599966.29
4136159.32	0.00016			
	600016.29	4136159.32	0.00022	600066.29
4136159.32	0.00037			
	600166.29	4136159.32	0.00053	600216.29
4136159.32	0.00035			
	600266.29	4136159.32	0.00028	600316.29
4136159.32	0.00024			
	600366.29	4136159.32	0.00022	600416.29
4136159.32	0.00020			
	600466.29	4136159.32	0.00019	600516.29
4136159.32	0.00018			
	600566.29	4136159.32	0.00017	600716.29
4136159.32	0.00012			
	600766.29	4136159.32	0.00011	601016.29
4136159.32	0.00007			
	601066.29	4136159.32	0.00006	599866.29
4136209.32	0.00011			
	599916.29	4136209.32	0.00014	599966.29
4136209.32	0.00018			
	600016.29	4136209.32	0.00028	600066.29
4136209.32	0.00062			
	600116.29	4136209.32	0.00068	600166.29
4136209.32	0.00037			
	600216.29	4136209.32	0.00028	600266.29
4136209.32	0.00023			
	600316.29	4136209.32	0.00020	600366.29
4136209.32	0.00018			
	600416.29	4136209.32	0.00017	600466.29
4136209.32	0.00016			
	600516.29	4136209.32	0.00015	600566.29
4136209.32	0.00014			
	600616.29	4136209.32	0.00013	600666.29
4136209.32	0.00012			
	600716.29	4136209.32	0.00011	600766.29
4136209.32	0.00010			
	601066.29	4136209.32	0.00005	599866.29
4136259.32	0.00012			
	599916.29	4136259.32	0.00015	599966.29
4136259.32	0.00022			
	600016.29	4136259.32	0.00039	600116.29
4136259.32	0.00045			
	600166.29	4136259.32	0.00029	600216.29
4136259.32	0.00023			
	600266.29	4136259.32	0.00019	600316.29
4136259.32	0.00017			

650 N King\_Ops.ADO

600366.29 4136259.32 0.00015 600416.29  
 4136259.32 0.00014  
 600466.29 4136259.32 0.00013 600516.29  
 4136259.32 0.00012

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 08:03:57

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

\*\*\*  
 INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
600566.29	4136259.32	0.00012	600616.29
4136259.32	0.00011		
600666.29	4136259.32	0.00010	600716.29
4136259.32	0.00009		
600766.29	4136259.32	0.00008	600816.29
4136259.32	0.00008		
601016.29	4136259.32	0.00005	601066.29
4136259.32	0.00005		
599866.29	4136309.32	0.00013	599916.29
4136309.32	0.00018		
599966.29	4136309.32	0.00028	600016.29
4136309.32	0.00071		
600066.29	4136309.32	0.00060	600116.29
4136309.32	0.00033		
600166.29	4136309.32	0.00024	600216.29

650 N King\_Ops.ADO

4136309.32	0.00019			
	600266.29	4136309.32	0.00016	600316.29
4136309.32	0.00014			
	600366.29	4136309.32	0.00013	600416.29
4136309.32	0.00012			
	600466.29	4136309.32	0.00011	600516.29
4136309.32	0.00011			
	600566.29	4136309.32	0.00010	600616.29
4136309.32	0.00009			
	600666.29	4136309.32	0.00009	600716.29
4136309.32	0.00008			
	600766.29	4136309.32	0.00007	600816.29
4136309.32	0.00007			
	600866.29	4136309.32	0.00006	600916.29
4136309.32	0.00006			
	600966.29	4136309.32	0.00005	601016.29
4136309.32	0.00004			
	601066.29	4136309.32	0.00004	599866.29
4136359.32	0.00014			
	599916.29	4136359.32	0.00021	599966.29
4136359.32	0.00041			
	600066.29	4136359.32	0.00040	600116.29
4136359.32	0.00026			
	600166.29	4136359.32	0.00020	600216.29
4136359.32	0.00016			
	600266.29	4136359.32	0.00014	600316.29
4136359.32	0.00012			
	600366.29	4136359.32	0.00011	600416.29
4136359.32	0.00010			
	600466.29	4136359.32	0.00010	600516.29
4136359.32	0.00009			
	600566.29	4136359.32	0.00009	600616.29
4136359.32	0.00008			
	600666.29	4136359.32	0.00008	600716.29
4136359.32	0.00007			
	600766.29	4136359.32	0.00006	600816.29
4136359.32	0.00005			
	600866.29	4136359.32	0.00005	600916.29
4136359.32	0.00005			
	600966.29	4136359.32	0.00004	601016.29
4136359.32	0.00004			
	601066.29	4136359.32	0.00004	599866.29
4136409.32	0.00016			
	599916.29	4136409.32	0.00028	600016.29
4136409.32	0.00052			
	600066.29	4136409.32	0.00029	600216.29
4136409.32	0.00013			
	600266.29	4136409.32	0.00012	600316.29



650 N King\_Ops.ADO

4136409.32	0.00010			
600366.29	4136409.32	0.00010		600416.29
4136409.32	0.00009			
600466.29	4136409.32	0.00008		600516.29
4136409.32	0.00008			
600566.29	4136409.32	0.00008		600616.29
4136409.32	0.00007			
600666.29	4136409.32	0.00007		600716.29
4136409.32	0.00006			
600766.29	4136409.32	0.00005		600816.29
4136409.32	0.00005			
600866.29	4136409.32	0.00004		600916.29
4136409.32	0.00004			
600966.29	4136409.32	0.00004		601016.29
4136409.32	0.00003			
601066.29	4136409.32	0.00003		599866.29
4136459.32	0.00019			

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* 650 N King Operations  
                                    \*\*\*                    08/11/21  
\*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
                                    \*\*\*                    08:03:57

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\*\*\* MODELOPTs:    RegDEFAULT CONC ELEV URBAN

\*\*\* THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL      \*\*\*  
                                    INCLUDING SOURCE(S):      L0000825      , L0000826  
, L0000827    , L0000828    , L0000829    ,  
                                    L0000830    , L0000831    , L0000832    , L0000833    , L0000834  
, L0000835    , L0000836    , L0000837    ,  
                                    L0000838    , L0000839    , L0000840    , L0000841    , L0000842  
, L0000843    , L0000844    , L0000845    ,  
                                    L0000846    , L0000847    , L0000848    , L0000849    , L0000850  
, L0000851    , L0000852    , . . .      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5    IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
599916.29	4136459.32	0.00042	599966.29
4136459.32	0.00081		

650 N King\_Ops.ADO

600016.29	4136459.32	0.00034	600066.29
4136459.32	0.00022		
600216.29	4136459.32	0.00011	600266.29
4136459.32	0.00010		
600316.29	4136459.32	0.00009	600366.29
4136459.32	0.00008		
600416.29	4136459.32	0.00008	600466.29
4136459.32	0.00007		
600516.29	4136459.32	0.00007	600566.29
4136459.32	0.00007		
600616.29	4136459.32	0.00006	600666.29
4136459.32	0.00005		
600716.29	4136459.32	0.00005	600766.29
4136459.32	0.00005		
600816.29	4136459.32	0.00004	600866.29
4136459.32	0.00004		
600916.29	4136459.32	0.00003	600966.29
4136459.32	0.00003		
601016.29	4136459.32	0.00003	601066.29
4136459.32	0.00003		
599866.29	4136509.32	0.00023	599966.29
4136509.32	0.00041		
600016.29	4136509.32	0.00022	600266.29
4136509.32	0.00008		
600316.29	4136509.32	0.00008	600366.29
4136509.32	0.00007		
600416.29	4136509.32	0.00007	600466.29
4136509.32	0.00006		
600516.29	4136509.32	0.00006	600566.29
4136509.32	0.00006		
600616.29	4136509.32	0.00005	600666.29
4136509.32	0.00005		
600716.29	4136509.32	0.00004	600766.29
4136509.32	0.00004		
600816.29	4136509.32	0.00004	600866.29
4136509.32	0.00003		
600916.29	4136509.32	0.00003	600966.29
4136509.32	0.00003		
601016.29	4136509.32	0.00003	601066.29
4136509.32	0.00003		
599866.29	4136559.32	0.00021	599916.29
4136559.32	0.00037		
599966.29	4136559.32	0.00020	600016.29
4136559.32	0.00014		
600066.29	4136559.32	0.00011	600216.29
4136559.32	0.00008		
600266.29	4136559.32	0.00007	600316.29
4136559.32	0.00007		

650 N King\_Ops.ADO

600366.29	4136559.32	0.00006	600416.29
4136559.32	0.00006		
600466.29	4136559.32	0.00006	600516.29
4136559.32	0.00006		
600566.29	4136559.32	0.00005	600616.29
4136559.32	0.00004		
600666.29	4136559.32	0.00004	600716.29
4136559.32	0.00004		
600766.29	4136559.32	0.00003	600816.29
4136559.32	0.00003		
600866.29	4136559.32	0.00003	600916.29
4136559.32	0.00003		
600966.29	4136559.32	0.00003	601016.29
4136559.32	0.00002		
601066.29	4136559.32	0.00002	

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*     \*\*\* 650 N King Operations  
                               \*\*\*     08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\*     \*\*\*  
                               \*\*\*     08:03:57

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\*\*\* MODELOPTs:    RegDFAULT    CONC    ELEV    URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 INCLUDING SOURCE(S):    L0000825    , L0000826  
 , L0000827    , L0000828    , L0000829    ,  
               L0000830    , L0000831    , L0000832    , L0000833    , L0000834  
 , L0000835    , L0000836    , L0000837    ,  
               L0000838    , L0000839    , L0000840    , L0000841    , L0000842  
 , L0000843    , L0000844    , L0000845    ,  
               L0000846    , L0000847    , L0000848    , L0000849    , L0000850  
 , L0000851    , L0000852    , . . .        ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5    IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
600316.29	4135009.32	0.00035	(12120324)	600366.29
4135009.32	0.00040 (12120324)			
600416.29	4135009.32	0.00046	(12120324)	600466.29

650 N King\_Ops.ADO

4135009.32	0.00055	(12120324)		
600516.29	4135009.32	0.00082	(09022820)	600566.29
4135009.32	0.00114	(10020821)		
600616.29	4135009.32	0.00188	(11020108)	600666.29
4135009.32	0.00288	(13021419)		
600716.29	4135009.32	0.00178	(09121917)	600766.29
4135009.32	0.00115	(11123001)		
600816.29	4135009.32	0.00086	(09020618)	600866.29
4135009.32	0.00069	(09012219)		
600916.29	4135009.32	0.00058	(09012219)	600966.29
4135009.32	0.00055	(13092620)		
601016.29	4135009.32	0.00054	(13092620)	601066.29
4135009.32	0.00052	(13092620)		
600316.29	4135059.32	0.00032	(12120324)	600366.29
4135059.32	0.00036	(12120324)		
600416.29	4135059.32	0.00041	(12120324)	600466.29
4135059.32	0.00047	(12120324)		
600516.29	4135059.32	0.00067	(09022820)	600566.29
4135059.32	0.00084	(10021602)		
600616.29	4135059.32	0.00114	(10010406)	600666.29
4135059.32	0.00177	(09012106)		
600716.29	4135059.32	0.00358	(09121704)	600766.29
4135059.32	0.00211	(10121220)		
600816.29	4135059.32	0.00125	(09121917)	600866.29
4135059.32	0.00091	(11123001)		
600916.29	4135059.32	0.00072	(13092620)	600966.29
4135059.32	0.00069	(13092620)		
601016.29	4135059.32	0.00065	(13092620)	601066.29
4135059.32	0.00061	(11020518)		
600266.29	4135109.32	0.00029	(13022221)	600316.29
4135109.32	0.00032	(13022221)		
600366.29	4135109.32	0.00035	(13012218)	600416.29
4135109.32	0.00039	(13012218)		
600466.29	4135109.32	0.00043	(09012904)	600516.29
4135109.32	0.00057	(09022820)		
600566.29	4135109.32	0.00070	(09022820)	600616.29
4135109.32	0.00086	(10020821)		
600666.29	4135109.32	0.00113	(10010406)	600716.29
4135109.32	0.00167	(09012106)		
600766.29	4135109.32	0.00334	(09022501)	600816.29
4135109.32	0.00252	(10121220)		
600866.29	4135109.32	0.00135	(09121917)	600916.29
4135109.32	0.00098	(13092620)		
600966.29	4135109.32	0.00090	(13092620)	601016.29
4135109.32	0.00080	(11020518)		
601066.29	4135109.32	0.00071	(13013118)	600316.29
4135159.32	0.00033	(13022221)		
600366.29	4135159.32	0.00036	(13012218)	600416.29

650 N King\_Ops.ADO

4135159.32	0.00040	(13012218)		
600466.29	4135159.32	0.00044	(09012904)	600516.29
4135159.32	0.00052	(09022820)		
600566.29	4135159.32	0.00061	(09022820)	600616.29
4135159.32	0.00072	(10021602)		
600666.29	4135159.32	0.00087	(10020821)	600716.29
4135159.32	0.00113	(11020108)		
600766.29	4135159.32	0.00161	(09012106)	600816.29
4135159.32	0.00308	(09123020)		
600866.29	4135159.32	0.00301	(10121220)	600916.29
4135159.32	0.00152	(13092620)		
600966.29	4135159.32	0.00115	(13013118)	601016.29
4135159.32	0.00090	(13013118)		
601066.29	4135159.32	0.00075	(13013118)	600366.29
4135209.32	0.00038	(13012218)		
600416.29	4135209.32	0.00042	(13012218)	600466.29
4135209.32	0.00046	(13012218)		
600516.29	4135209.32	0.00050	(09012904)	600566.29
4135209.32	0.00056	(09022820)		
600616.29	4135209.32	0.00064	(09022820)	600666.29
4135209.32	0.00075	(10020821)		
600716.29	4135209.32	0.00090	(10121323)	600766.29
4135209.32	0.00117	(11020108)		
600816.29	4135209.32	0.00165	(09012106)	600866.29
4135209.32	0.00264	(09123020)		
600916.29	4135209.32	0.00270	(09121919)	600966.29
4135209.32	0.00142	(13012018)		
601016.29	4135209.32	0.00094	(11012019)	601066.29
4135209.32	0.00073	(11012019)		

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 08:03:57

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

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\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
4135259.32	600366.29	4135259.32	0.00039	(13022221)	600416.29
4135259.32	600466.29	4135259.32	0.00044	(13012218)	600516.29
4135259.32	600566.29	4135259.32	0.00048	(13012218)	600616.29
4135259.32	600666.29	4135259.32	0.00053	(09012904)	600716.29
4135259.32	600766.29	4135259.32	0.00057	(09012904)	600816.29
4135259.32	600866.29	4135259.32	0.00061	(09012904)	600916.29
4135259.32	600966.29	4135259.32	0.00070	(10021602)	601016.29
4135259.32	601066.29	4135259.32	0.00083	(09011321)	600416.29
4135309.32	600766.29	4135259.32	0.00107	(10120424)	600516.29
4135309.32	600866.29	4135259.32	0.00181	(09122104)	600616.29
4135309.32	600966.29	4135259.32	0.00274	(11020108)	600716.29
4135309.32	601066.29	4135259.32	0.00227	(11012205)	600816.29
4135309.32	600366.29	4135259.32	0.00167	(12020124)	600916.29
4135309.32	600466.29	4135259.32	0.00120	(11120220)	601016.29
4135309.32	600566.29	4135259.32	0.00089	(13012018)	600416.29
4135309.32	600666.29	4135259.32	0.00048	(13012218)	600516.29
4135309.32	600766.29	4135309.32	0.00052	(13012218)	600616.29
4135309.32	600866.29	4135309.32	0.00058	(09012904)	600716.29
4135309.32	600966.29	4135309.32	0.00063	(09012904)	600816.29
4135309.32	601066.29	4135309.32	0.00067	(09012904)	600916.29
4135309.32	600366.29	4135309.32	0.00075	(09012904)	601016.29
4135309.32	600466.29	4135309.32	0.00097	(10011623)	600416.29
4135309.32	600566.29	4135309.32	0.00162	(09122104)	600516.29
4135309.32	600666.29	4135309.32	0.00294	(09022820)	600616.29
4135309.32	600766.29	4135309.32	0.00189	(11020108)	600716.29
4135309.32	600866.29	4135309.32	0.00173	(12010724)	600816.29
4135309.32	600966.29	4135309.32	0.00148	(11012205)	600916.29
4135309.32	601066.29	4135309.32	0.00121	(13021419)	601016.29
4135359.32	600366.29	4135309.32	0.00096	(09121919)	600416.29
4135359.32	600466.29	4135309.32	0.00051	(13012218)	600516.29
4135359.32	600566.29	4135359.32	0.00057	(13012218)	600616.29
4135359.32	600666.29	4135359.32	0.00064	(09012904)	600716.29
4135359.32	600766.29	4135359.32	0.00070	(09012904)	600816.29
4135359.32	600866.29	4135359.32	0.00078	(09012904)	600916.29
4135359.32	600966.29	4135359.32	0.00091	(10011623)	601016.29
4135359.32	601066.29	4135359.32	0.00146	(09122104)	600416.29
4135359.32	600366.29	4135359.32	0.00219	(11011718)	600516.29
4135359.32	600466.29	4135359.32	0.00189	(09022820)	600616.29

650 N King\_Ops.ADO

600866.29	4135359.32	0.00147	(11120207)	600916.29
4135359.32	0.00137	(12122420)		
600966.29	4135359.32	0.00126	(10010420)	601016.29
4135359.32	0.00110	(11012205)		
601066.29	4135359.32	0.00095	(13021419)	600466.29
4135409.32	0.00063	(13012218)		
600516.29	4135409.32	0.00071	(09012904)	600566.29
4135409.32	0.00081	(09012904)		
600616.29	4135409.32	0.00093	(09012904)	600666.29
4135409.32	0.00130	(09122104)		
600716.29	4135409.32	0.00223	(09020123)	600766.29
4135409.32	0.00201	(09022820)		
600816.29	4135409.32	0.00142	(09022820)	600866.29
4135409.32	0.00122	(11120207)		
600916.29	4135409.32	0.00114	(12122420)	600966.29
4135409.32	0.00110	(12010724)		
601016.29	4135409.32	0.00098	(10010420)	601066.29
4135409.32	0.00088	(10010319)		
600566.29	4135459.32	0.00098	(09012904)	600616.29
4135459.32	0.00122	(13021423)		
600666.29	4135459.32	0.00202	(12121919)	600716.29
4135459.32	0.00217	(09022820)		
600766.29	4135459.32	0.00149	(09022820)	600816.29
4135459.32	0.00118	(10021602)		
600866.29	4135459.32	0.00105	(11010521)	600916.29
4135459.32	0.00100	(11120207)		
600966.29	4135459.32	0.00095	(12122420)	601016.29
4135459.32	0.00089	(12010724)		
601066.29	4135459.32	0.00079	(12020123)	600666.29
4135509.32	0.00245	(12012521)		
600716.29	4135509.32	0.00156	(09022820)	600766.29
4135509.32	0.00122	(09022820)		
600816.29	4135509.32	0.00103	(13020120)	600866.29
4135509.32	0.00094	(10020324)		
600916.29	4135509.32	0.00090	(11120207)	600966.29
4135509.32	0.00087	(13013118)		
601016.29	4135509.32	0.00086	(13022222)	601066.29
4135509.32	0.00086	(09020219)		
600616.29	4135559.32	0.00299	(12012521)	600666.29
4135559.32	0.00167	(09022820)		
600716.29	4135559.32	0.00128	(09022820)	600766.29
4135559.32	0.00109	(13013118)		

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 08:03:57

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
600816.29	413559.32	0.00103	(13013118)	600866.29
413559.32	0.00100	(13013118)		
600916.29	413559.32	0.00099	(13013118)	600966.29
413559.32	0.00098	(09020219)		
601016.29	413559.32	0.00098	(09020219)	601066.29
413559.32	0.00095	(09020219)		
600566.29	4135609.32	0.00253	(09012901)	600616.29
4135609.32	0.00185	(10121219)		
600666.29	4135609.32	0.00141	(13013118)	600716.29
4135609.32	0.00126	(13013118)		
600766.29	4135609.32	0.00119	(13013118)	600816.29
4135609.32	0.00116	(13013118)		
600866.29	4135609.32	0.00115	(13013118)	600916.29
4135609.32	0.00115	(09020219)		
600966.29	4135609.32	0.00113	(09020219)	601016.29
4135609.32	0.00107	(09020219)		
601066.29	4135609.32	0.00100	(12010421)	600516.29
4135659.32	0.00271	(09020123)		
600566.29	4135659.32	0.00233	(10121219)	600616.29
4135659.32	0.00178	(10121219)		
600666.29	4135659.32	0.00154	(13013118)	600716.29
4135659.32	0.00142	(13013118)		
600766.29	4135659.32	0.00139	(13013118)	600816.29
4135659.32	0.00138	(13013118)		
600866.29	4135659.32	0.00138	(09020219)	600916.29



650 N King\_Ops.ADO

4135659.32	0.00133	(09020219)		
600966.29	4135659.32	0.00123	(12010421)	601016.29
4135659.32	0.00109	(12010421)		
601066.29	4135659.32	0.00098	(13013019)	600566.29
4135709.32	0.00272	(10121219)		
600616.29	4135709.32	0.00209	(10121219)	600666.29
4135709.32	0.00180	(13013118)		
600716.29	4135709.32	0.00173	(13013118)	600766.29
4135709.32	0.00174	(13013118)		
600816.29	4135709.32	0.00173	(09020219)	600866.29
4135709.32	0.00159	(12010421)		
600916.29	4135709.32	0.00139	(12010421)	600966.29
4135709.32	0.00122	(13013019)		
601016.29	4135709.32	0.00110	(09120217)	601066.29
4135709.32	0.00100	(09120217)		
600616.29	4135759.32	0.00285	(12012521)	600666.29
4135759.32	0.00234	(11020518)		
600716.29	4135759.32	0.00241	(13013118)	600766.29
4135759.32	0.00230	(09020219)		
600816.29	4135759.32	0.00193	(12010421)	600866.29
4135759.32	0.00161	(11020801)		
600916.29	4135759.32	0.00141	(09120217)	600966.29
4135759.32	0.00124	(13122319)		
601016.29	4135759.32	0.00110	(13122319)	601066.29
4135759.32	0.00100	(11021221)		
600666.29	4135809.32	0.00443	(13022222)	600716.29
4135809.32	0.00332	(12010421)		
600766.29	4135809.32	0.00242	(09120217)	600816.29
4135809.32	0.00195	(13122319)		
600866.29	4135809.32	0.00163	(11021221)	600916.29
4135809.32	0.00141	(11021221)		
600966.29	4135809.32	0.00124	(10020120)	601016.29
4135809.32	0.00111	(13121017)		
601066.29	4135809.32	0.00100	(13121017)	600716.29
4135859.32	0.00296	(11021221)		
600766.29	4135859.32	0.00231	(13121017)	600816.29
4135859.32	0.00189	(13121017)		
600866.29	4135859.32	0.00159	(09121620)	600916.29
4135859.32	0.00137	(09121620)		
600966.29	4135859.32	0.00120	(11022003)	601016.29
4135859.32	0.00107	(11022003)		
601066.29	4135859.32	0.00096	(12013004)	600766.29
4135909.32	0.00208	(13021622)		
600816.29	4135909.32	0.00174	(13021622)	600866.29
4135909.32	0.00149	(13021622)		
600916.29	4135909.32	0.00131	(13021622)	600966.29
4135909.32	0.00116	(13021622)		
601016.29	4135909.32	0.00104	(13021622)	601066.29

650 N King\_Ops.ADO

4135909.32 0.00094 (13021622)  
 600816.29 4135959.32 0.00160 (10020621) 600866.29  
 4135959.32 0.00140 (10020621)  
 600916.29 4135959.32 0.00123 (10020621) 600966.29  
 4135959.32 0.00111 (13010819)  
 601016.29 4135959.32 0.00100 (13010819) 601066.29  
 4135959.32 0.00091 (13010819)

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 08:03:57

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
599866.29	4136009.32	0.00062	(09122424)	599916.29
4136009.32	0.00069	(09122424)		
600866.29	4136009.32	0.00131	(09011819)	600916.29
4136009.32	0.00118	(09011819)		
600966.29	4136009.32	0.00107	(09011819)	601016.29
4136009.32	0.00097	(09011819)		
601066.29	4136009.32	0.00088	(09011819)	599866.29
4136059.32	0.00064	(12010903)		
599916.29	4136059.32	0.00072	(12010903)	599966.29
4136059.32	0.00084	(13120123)		
600216.29	4136059.32	0.00267	(12012521)	600266.29
4136059.32	0.00146	(09012901)		

650 N King\_Ops.ADO

600916.29	4136059.32	0.00110	(11012019)	600966.29
4136059.32	0.00100	(13012703)		
601016.29	4136059.32	0.00092	(13012703)	601066.29
4136059.32	0.00084	(09011819)		
599866.29	4136109.32	0.00068	(13120123)	599916.29
4136109.32	0.00078	(13120123)		
599966.29	4136109.32	0.00090	(13120123)	600016.29
4136109.32	0.00108	(13021423)		
600216.29	4136109.32	0.00150	(09022820)	600266.29
4136109.32	0.00120	(09012901)		
600316.29	4136109.32	0.00116	(09012901)	600366.29
4136109.32	0.00121	(09011908)		
600416.29	4136109.32	0.00144	(09022820)	600466.29
4136109.32	0.00183	(09022820)		
600966.29	4136109.32	0.00096	(13012018)	601016.29
4136109.32	0.00087	(11012019)		
601066.29	4136109.32	0.00081	(11012019)	599866.29
4136159.32	0.00071	(12011221)		
599916.29	4136159.32	0.00083	(13021423)	599966.29
4136159.32	0.00099	(13021423)		
600016.29	4136159.32	0.00124	(13021423)	600066.29
4136159.32	0.00173	(10122505)		
600166.29	4136159.32	0.00162	(09022820)	600216.29
4136159.32	0.00114	(09012901)		
600266.29	4136159.32	0.00104	(09012901)	600316.29
4136159.32	0.00103	(09011908)		
600366.29	4136159.32	0.00108	(10013003)	600416.29
4136159.32	0.00125	(09022820)		
600466.29	4136159.32	0.00157	(09022820)	600516.29
4136159.32	0.00187	(13122620)		
600566.29	4136159.32	0.00184	(13122620)	600716.29
4136159.32	0.00142	(10010420)		
600766.29	4136159.32	0.00132	(11012620)	601016.29
4136159.32	0.00088	(13012018)		
601066.29	4136159.32	0.00079	(13012018)	599866.29
4136209.32	0.00076	(13021423)		
599916.29	4136209.32	0.00089	(13021423)	599966.29
4136209.32	0.00108	(10122505)		
600016.29	4136209.32	0.00140	(10122505)	600066.29
4136209.32	0.00238	(12121919)		
600116.29	4136209.32	0.00201	(12012521)	600166.29
4136209.32	0.00117	(12012521)		
600216.29	4136209.32	0.00098	(09012901)	600266.29
4136209.32	0.00092	(09011908)		
600316.29	4136209.32	0.00093	(10013003)	600366.29
4136209.32	0.00096	(09121505)		
600416.29	4136209.32	0.00111	(09022820)	600466.29
4136209.32	0.00139	(09022820)		

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600516.29	4136209.32	0.00163	(13122620)	600566.29
4136209.32	0.00162	(13122620)		
600616.29	4136209.32	0.00146	(10020324)	600666.29
4136209.32	0.00135	(11120207)		
600716.29	4136209.32	0.00128	(12010724)	600766.29
4136209.32	0.00118	(10010420)		
601066.29	4136209.32	0.00082	(13012018)	599866.29
4136259.32	0.00080	(10122505)		
599916.29	4136259.32	0.00093	(10122505)	599966.29
4136259.32	0.00115	(10122505)		
600016.29	4136259.32	0.00171	(12121919)	600116.29
4136259.32	0.00140	(12012521)		
600166.29	4136259.32	0.00096	(09012901)	600216.29
4136259.32	0.00086	(09011908)		
600266.29	4136259.32	0.00083	(09011908)	600316.29
4136259.32	0.00084	(10013003)		
600366.29	4136259.32	0.00086	(09121505)	600416.29
4136259.32	0.00100	(09022820)		
600466.29	4136259.32	0.00125	(09101901)	600516.29
4136259.32	0.00145	(13122620)		

^ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842  
 , L0000843 , L0000844 , L0000845 ,  
 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850  
 , L0000851 , L0000852 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

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600566.29	4136259.32	0.00145	(13122620)	600616.29
4136259.32	0.00132	(13020120)		
600666.29	4136259.32	0.00121	(11120207)	600716.29
4136259.32	0.00114	(12122420)		
600766.29	4136259.32	0.00110	(12010724)	600816.29
4136259.32	0.00102	(10010420)		
601016.29	4136259.32	0.00084	(12011521)	601066.29
4136259.32	0.00079	(09121919)		
599866.29	4136309.32	0.00081	(10122505)	599916.29
4136309.32	0.00098	(11122021)		
599966.29	4136309.32	0.00135	(12121919)	600016.29
4136309.32	0.00261	(12012120)		
600066.29	4136309.32	0.00194	(09022820)	600116.29
4136309.32	0.00108	(09022820)		
600166.29	4136309.32	0.00083	(13010123)	600216.29
4136309.32	0.00078	(09011908)		
600266.29	4136309.32	0.00076	(10013003)	600316.29
4136309.32	0.00076	(09121505)		
600366.29	4136309.32	0.00076	(09121505)	600416.29
4136309.32	0.00092	(09022820)		
600466.29	4136309.32	0.00114	(09101901)	600516.29
4136309.32	0.00130	(13122620)		
600566.29	4136309.32	0.00131	(13122620)	600616.29
4136309.32	0.00121	(13020120)		
600666.29	4136309.32	0.00113	(10020324)	600716.29
4136309.32	0.00106	(11120207)		
600766.29	4136309.32	0.00100	(12122420)	600816.29
4136309.32	0.00096	(12010724)		
600866.29	4136309.32	0.00093	(10010420)	600916.29
4136309.32	0.00087	(12020123)		
600966.29	4136309.32	0.00085	(11012620)	601016.29
4136309.32	0.00090	(10010920)		
601066.29	4136309.32	0.00083	(12011521)	599866.29
4136359.32	0.00085	(11122021)		
599916.29	4136359.32	0.00111	(12121919)	599966.29
4136359.32	0.00174	(10010704)		
600066.29	4136359.32	0.00137	(09022820)	600116.29
4136359.32	0.00089	(09022820)		
600166.29	4136359.32	0.00074	(09011908)	600216.29
4136359.32	0.00070	(10013003)		
600266.29	4136359.32	0.00070	(10013003)	600316.29
4136359.32	0.00070	(09121505)		
600366.29	4136359.32	0.00071	(12121208)	600416.29
4136359.32	0.00085	(09101901)		
600466.29	4136359.32	0.00104	(09101901)	600516.29
4136359.32	0.00119	(13122620)		
600566.29	4136359.32	0.00120	(13122620)	600616.29

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4136359.32	0.00112	(13020120)		
600666.29	4136359.32	0.00105	(10020324)	600716.29
4136359.32	0.00097	(11010521)		
600766.29	4136359.32	0.00097	(11120207)	600816.29
4136359.32	0.00102	(12010724)		
600866.29	4136359.32	0.00088	(12010724)	600916.29
4136359.32	0.00084	(10010420)		
600966.29	4136359.32	0.00085	(11012205)	601016.29
4136359.32	0.00093	(13012321)		
601066.29	4136359.32	0.00082	(13021419)	599866.29
4136409.32	0.00093	(12121919)		
599916.29	4136409.32	0.00132	(10010704)	600016.29
4136409.32	0.00178	(09022820)		
600066.29	4136409.32	0.00107	(09022820)	600216.29
4136409.32	0.00065	(10013003)		
600266.29	4136409.32	0.00064	(09121505)	600316.29
4136409.32	0.00063	(09121505)		
600366.29	4136409.32	0.00066	(12121208)	600416.29
4136409.32	0.00080	(09101901)		
600466.29	4136409.32	0.00096	(09101901)	600516.29
4136409.32	0.00109	(13122620)		
600566.29	4136409.32	0.00110	(13122620)	600616.29
4136409.32	0.00103	(13020120)		
600666.29	4136409.32	0.00103	(12020321)	600716.29
4136409.32	0.00096	(10020324)		
600766.29	4136409.32	0.00091	(11120207)	600816.29
4136409.32	0.00089	(12122420)		
600866.29	4136409.32	0.00092	(12010724)	600916.29
4136409.32	0.00080	(12010724)		
600966.29	4136409.32	0.00091	(11020620)	601016.29
4136409.32	0.00088	(09022501)		
601066.29	4136409.32	0.00084	(13012321)	599866.29
4136459.32	0.00105	(10010704)		

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000825 , L0000826  
 , L0000827 , L0000828 , L0000829 ,  
 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834  
 , L0000835 , L0000836 , L0000837 ,  
 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842

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, L0000843 , L0000844 , L0000845 ,  
 , L0000851 , L0000852 , . . . ,  
 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
599916.29	4136459.32	0.00178	(12012120)	599966.29
4136459.32	0.00256	(09022820)		
600016.29	4136459.32	0.00129	(09022820)	600066.29
4136459.32	0.00088	(09022820)		
600216.29	4136459.32	0.00060	(10013003)	600266.29
4136459.32	0.00059	(09121505)		
600316.29	4136459.32	0.00058	(12011102)	600366.29
4136459.32	0.00062	(12121208)		
600416.29	4136459.32	0.00075	(09101901)	600466.29
4136459.32	0.00089	(09101901)		
600516.29	4136459.32	0.00107	(13122620)	600566.29
4136459.32	0.00109	(13122620)		
600616.29	4136459.32	0.00104	(13020120)	600666.29
4136459.32	0.00097	(12121220)		
600716.29	4136459.32	0.00092	(10020324)	600766.29
4136459.32	0.00086	(11010521)		
600816.29	4136459.32	0.00089	(11120207)	600866.29
4136459.32	0.00090	(12122420)		
600916.29	4136459.32	0.00089	(12010724)	600966.29
4136459.32	0.00089	(09012107)		
601016.29	4136459.32	0.00086	(11020620)	601066.29
4136459.32	0.00083	(09022501)		
599866.29	4136509.32	0.00124	(10010704)	599966.29
4136509.32	0.00160	(09022820)		
600016.29	4136509.32	0.00100	(09022820)	600266.29
4136509.32	0.00054	(09121505)		
600316.29	4136509.32	0.00053	(12011102)	600366.29
4136509.32	0.00059	(12121208)		
600416.29	4136509.32	0.00071	(09101901)	600466.29
4136509.32	0.00083	(09101901)		
600516.29	4136509.32	0.00106	(09022820)	600566.29
4136509.32	0.00103	(13122620)		
600616.29	4136509.32	0.00110	(09122808)	600666.29
4136509.32	0.00096	(12020321)		

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600716.29	4136509.32	0.00100	(10020324)	600766.29
4136509.32	0.00097	(10121323)		
600816.29	4136509.32	0.00094	(10022220)	600866.29
4136509.32	0.00089	(09012106)		
600916.29	4136509.32	0.00086	(09120308)	600966.29
4136509.32	0.00086	(13012401)		
601016.29	4136509.32	0.00083	(09012107)	601066.29
4136509.32	0.00077	(11020620)		
599866.29	4136559.32	0.00147	(09020123)	599916.29
4136559.32	0.00203	(09022820)		
599966.29	4136559.32	0.00113	(09022820)	600016.29
4136559.32	0.00081	(09022820)		
600066.29	4136559.32	0.00064	(09022820)	600216.29
4136559.32	0.00051	(09121505)		
600266.29	4136559.32	0.00050	(12012201)	600316.29
4136559.32	0.00050	(12121208)		
600366.29	4136559.32	0.00055	(12121208)	600416.29
4136559.32	0.00069	(09101901)		
600466.29	4136559.32	0.00078	(09101901)	600516.29
4136559.32	0.00089	(13122620)		
600566.29	4136559.32	0.00098	(13122620)	600616.29
4136559.32	0.00095	(13020120)		
600666.29	4136559.32	0.00100	(10021602)	600716.29
4136559.32	0.00096	(10020821)		
600766.29	4136559.32	0.00093	(10123023)	600816.29
4136559.32	0.00089	(10121323)		
600866.29	4136559.32	0.00086	(10022220)	600916.29
4136559.32	0.00084	(09012106)		
600966.29	4136559.32	0.00082	(09120308)	601016.29
4136559.32	0.00081	(13012401)		
601066.29	4136559.32	0.00078	(09123020)	

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43872

HRS) RESULTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*



650 N King\_Ops.ADO

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

ALL	1ST HIGHEST VALUE IS	0.00101 AT (	600616.29, 4135559.32,
27.01,	27.01, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00096 AT (	600816.29, 4135309.32,
27.02,	27.02, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00093 AT (	600666.29, 4135809.32,
27.88,	27.88, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00092 AT (	600216.29, 4136059.32,
27.79,	27.79, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00084 AT (	600516.29, 4135659.32,
26.85,	26.85, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00081 AT (	600616.29, 4135759.32,
27.42,	27.42, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00081 AT (	599966.29, 4136459.32,
27.61,	27.61, 0.00) DC		
	8TH HIGHEST VALUE IS	0.00080 AT (	600566.29, 4135709.32,
27.26,	27.26, 0.00) DC		
	9TH HIGHEST VALUE IS	0.00079 AT (	600666.29, 4135509.32,
26.98,	26.98, 0.00) DC		
	10TH HIGHEST VALUE IS	0.00079 AT (	600566.29, 4135609.32,
26.73,	26.73, 0.00) DC		

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

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

RESULTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

DATE

650 N King\_Ops.ADO

NETWORK

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

ALL HIGH	1ST HIGH VALUE IS	0.00443	ON 13022222	AT ( 600666.29,
4135809.32,	27.88,	27.88,	0.00)	DC

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* 650 N King Operations  
 \*\*\* 08/11/21  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 08:03:57

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* 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 13130 Informational Message(s)  
 A Total of 43872 Hours Were Processed  
 A Total of 11611 Calm Hours Identified  
 A Total of 1519 Missing Hours Identified ( 3.46 Percent)

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

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

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

650 N King\_Ops.ADO





\*HARP - HRACalc v21081 8/11/2021 11:28:34 AM - Acute Risk - Input File: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2 Models\RAST\NKing\_Const\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.41967	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-01	0.00E+00	1.68E-01	0.00E+00	0.00E+00







\*HARP - HRACalc v21081 8/11/2021 3:03:51 PM - Acute Risk - Input File: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2 Models\RAST\NKing\_ConstT4\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.0588	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-02	0.00E+00	2.35E-02	0.00E+00	0.00E+00





\*HARP - HRACalc v21081 8/11/2021 11:33:58 AM - Acute Risk - Input File: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2 Models\RAST\NKing\_Ops\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\RESP	SKIN	EYE	BONE/TEETENDO		
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
2			107028	Acrolein	0.00443	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	1.77E-03	0.00E+00	0.00E+00

GLCs loaded successfully  
Pollutants loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 3

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 1  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

NKing\_Const\_Output.txt

**\*\*Worker Adjustment Factors\*\***

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***

3rd Trimester to 16 years: ON

16 years to 70 years: ON

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2

Models\RAST\NKing\_Const\_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2

Models\RAST\NKing\_Const\_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2

Models\RAST\NKing\_Const\_NCAcuteRisk.csv

HRA ran successfully

GLCs loaded successfully  
Pollutants loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 3

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 1  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

NKing\_ConstT4\_Output.txt

**\*\*Worker Adjustment Factors\*\***

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***

3rd Trimester to 16 years: ON

16 years to 70 years: ON

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2

Models\RAST\NKing\_ConstT4\_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2

Models\RAST\NKing\_ConstT4\_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2

Models\RAST\NKing\_ConstT4\_NCAcuteRisk.csv

HRA ran successfully



GLCs loaded successfully  
Pollutants loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 30

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 14  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

NKing\_Ops\_Output.txt

**\*\*Worker Adjustment Factors\*\***

Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***

3rd Trimester to 16 years: ON

16 years to 70 years: ON

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 not used.

\*\*\*\*\*

Calculating cancer risk

Cancer risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2  
Models\RAST\NKing\_Ops\_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2  
Models\RAST\NKing\_Ops\_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: K:\ORA\_AQN\197448001 - North King Road\5 HRA\5.2  
Models\RAST\NKing\_Ops\_NCAcuteRisk.csv

HRA ran successfully