Appendix B

Air Quality Assessment;

Greenhouse Gas Emissions Assessment;

AQ and GHG Emissions Memo – Mango Replacement Site;

AQ and GHG Emissions Memo – Palmetto Replacement Site;

Health Risk Assessment; and

Health Risk Assessment Memo for Palmetto Site

Air Quality Assessment
Sierra Avenue and Casa Grande Warehouse Project
City of Fontana, California

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Appendix A: Air Quality Modeling Data

LIST OF ABBREVIATED TERMS

AQMP	air quality management plan
AB	Assembly Bill
ADT	average daily traffic
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_2S	hydrogen sulfide
Pb	lead
LST	local significance threshold
$\mu g/m^3$	micrograms per cubic meter
mg/m^3	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO_2	nitrogen dioxide
NO_x	nitrogen oxide
O_3	ozone
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	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
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
sf	square foot
SO_{4-2}	sulfates
SO_2	sulfur dioxide
TAC	toxic air contaminant
C_2H_3Cl	vinyl chloride
VOC	volatile organic compound

1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the Sierra Avenue and Casa Grande Warehouse Project ("Project" or "Proposed Project"). The purpose of this Air Quality Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

1.1 PROJECT LOCATION AND SETTING

The propose warehouse site is located in the northeastern portion of the City of Fontana (City); approximately 330 feet west of the City border as shown in Exhibit 1: *Regional Vicinity*. The warehouse site consists of three connected parcels on the northeast corner of the Sierra Avenue and Casa Grande Drive intersection; refer to Exhibit 2: *Local Vicinity*. Regional access would be available to the site via transportation routes including State Route 210 and Interstate Highway I-15. The State Route 210 entrance and exit is located approximately 1.5 miles south of the proposed Project via Sierra Avenue. The Interstate Highway I-15 entrance and exit is located approximately 1.6 miles north of the proposed Project via Sierra Avenue.

The warehouse site is a rectangular lot, mostly vacant, and unimproved site on approximately 16.5-gross acres (15.34-net acres) or approximately 661,561-square feet; refer to Exhibit 2**.** The northwest corner of the property is occupied by a single-family residence, while the remaining portion of the property is undeveloped land covered with natural vegetation, including two trees on the west side of the site. A concrete foundation from a former house remains on the site. Additionally, there is debris consisting of mostly rocks, dirt, tires, and an old domestic sprinkler hose. The property is zoned R-5 and R-MU for single-family residential and regional-mixed use commercial development by the City of Fontana, respectively.

1.2 PROJECT DESCRIPTION

The proposed Project involves the development of a 332,996-square feet distribution warehouse building within the approximate 16.5-gross acre (15.34-net acre) warehouse site. The warehouse would have associated facilities and improvements such as a guard booth, mezzanine (5,000-square feet), vehicle parking, loading dock doors, trailer parking, onsite and off-site landscaping, and onsite and off-site improvements; Refer to Exhibit 3**:** *Conceptual Site Plan*.

Landscaping

Onsite landscaping would be provided on the Project site. Approximately twenty-five to sixty-foot-wide landscaped buffers would be provided along the south and west boundaries and a thirty-foot-wide buffer along the northern boundary.

Project Circulation

Regional Project access would be from Interstate 215 (I-215) and State Route 210 (SR-210) via the officially designated local truck route[1] Sierra Avenue. Local access would be provided via Casa Grande Drive. Project

[1] City of Fontana, *Local Truck Route – Ordinance No. 1273*, https://www.fontana.org/DocumentCenter/View/3971/Local-Truck-Routes-2017-11x17?bidId=, accessed March 11, 2020.

site ingress and egress would be via four driveways; two approximately thirty-foot driveways on Sierra Avenue and two approximately forty-foot driveways on Casa Grande Drive.

Parking

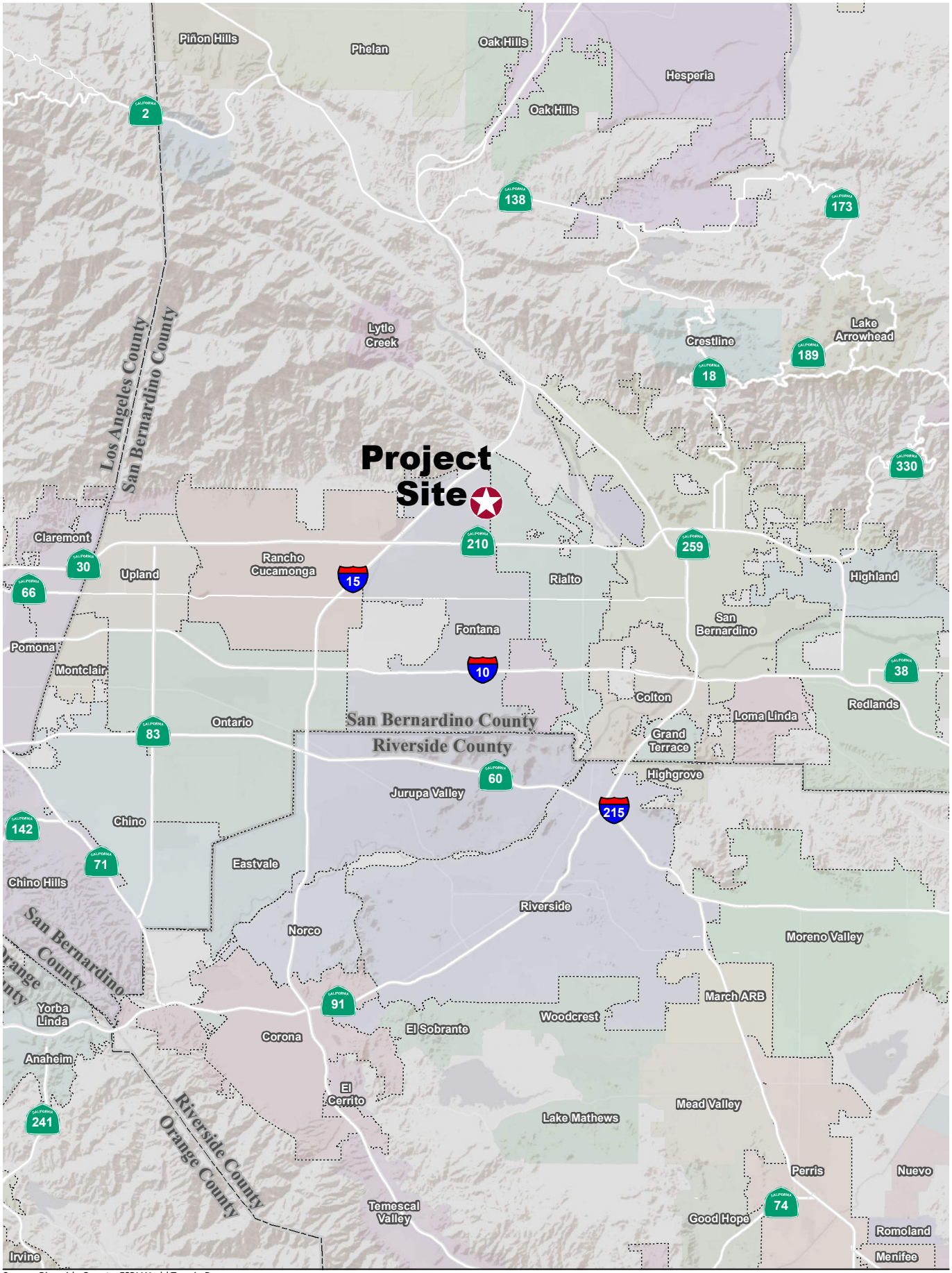
The Project would provide 134 parking stalls, 67 trailers stalls, and 35 dock doors.

Project Phasing and Construction

The Project is anticipated to be developed in one phase. Should the Project be approved, construction is anticipated to occur over a duration of approximately 15 months, commencing in the first half of 2020; the facility would be operational in late 2021.

Offsite Improvements

The Project will be responsible for approximately eighteen feet beyond the property line on Casa Grande Drive. Additionally, the Project would improve Sierra Avenue and Casa Grande Drive with approved curb, gutter, and lighting.



Source: Riverside County, ESRI World Terrain Base

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EXHIBIT 1: Regional Vicinity

Sierra Avenue and Casa Grande Warehouse Project

0 2.5 5 Miles

Kimley»Horn

Source: ESRI World Imagery

\\orafp01\CA_ORA\ORA_AQN\094940115 - Fontana Sierra and Casa Grande EIR\2 Exhibits\GIS\02 Site Vicinity.mxd

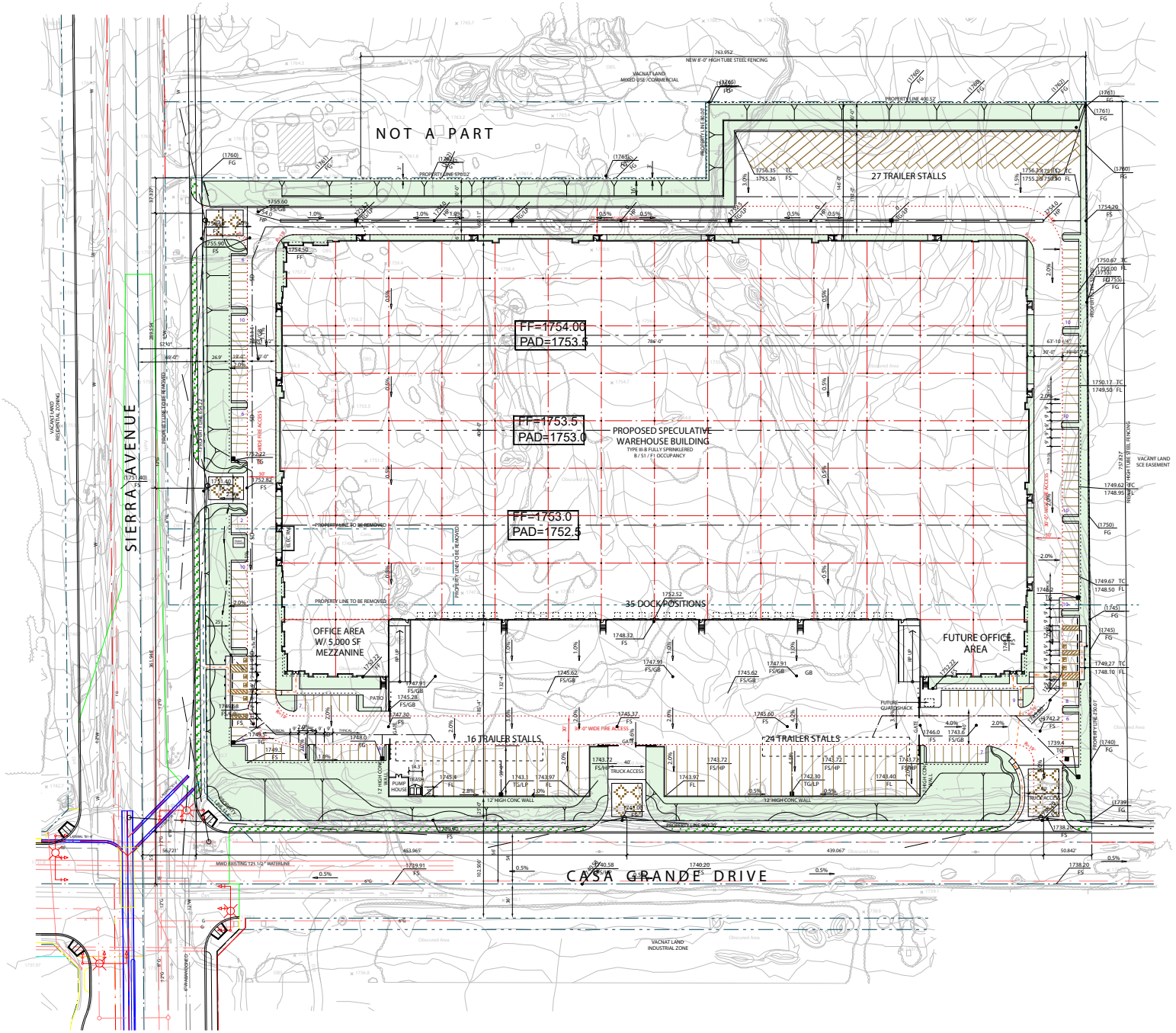
EXHIBIT 2: Site Vicinity

Sierra Avenue and Casa Grande Warehouse Project

0 250 500

Feet

Kimley»Horn



Source: RGA Office of Architectural Design

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EXHIBIT 3: Conceptual Site Plan

Sierra Avenue and Casa Grande Warehouse Project

Not to Scale

Kimley»Horn

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 South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties, as well as all of Orange County. The SCAB is on a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean on the southwest and high mountains forming the remainder of the perimeter[3]. 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 SCAB is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild and tempered by cool sea breezes. This usually mild weather pattern is occasionally interrupted by periods of extreme heat, winter storms, and Santa Ana winds. The annual average temperature throughout the 6,645-square-mile SCAB ranges from low 60 to high 80 degrees Fahrenheit with little variance. With more oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas.

Contrasting the steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rainfall occurs between the months of November and April. Summer rainfall is reduced to widely scattered thundershowers near the coast, with slightly heavier activity in the east and over the mountains.

Although the SCAB has a semiarid climate, the air closer to the Earth's surface is typically moist because of the presence of a shallow marine layer. Except for occasional periods when dry, continental air is brought into the SCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog are frequent and low clouds known as high fog are characteristic climatic features, especially along the coast. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SCAB.

Wind patterns across the SCAB are characterized by westerly or southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Wind speed is typically higher during the dry summer months than during the rainy winter. Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During winter and fall, surface high-pressure systems over the SCAB, combined with other meteorological conditions, result in very strong, downslope Santa Ana winds. These winds normally continue for a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.

In addition to the characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two distinct types of temperature inversions control the vertical depth through which air pollutants are mixed. These inversions are the marine inversion and the radiation inversion. The height of

[3] South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

the base of the inversion at any given time is called the "mixing height." The combination of winds and inversions is a critical determinant leading to highly degraded air quality for the SCAB in the summer and generally good air quality in the winter.

2.2 AIR POLLUTANTS OF CONCERN

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by state and federal laws. These regulated air pollutants are known as "criteria air pollutants" and are categorized into primary and secondary pollutants.

Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO_X), sulfur dioxide (SO_2), coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and lead are primary air pollutants. Of these, CO, NO_X, SO_2, PM_{10}, and $PM_{2.5}$ are criteria pollutants. ROG and NO_X are criteria pollutant precursors and form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, the criteria pollutant ozone (O_3) is formed by a chemical reaction between ROG and NO_X in the presence of sunlight. O_3 and nitrogen dioxide (NO_2) 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.

Table 1: Air Contaminants and Associated Public Health Concerns

Pollutant	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM_{10} and $PM_{2.5}$)	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_3)	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC)[1] and nitrogen oxides (NO_X) 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_2)	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_2)	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 O_3. 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	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood,

Table 1: Air Contaminants and Associated Public Health Concerns		
Pollutant	**Major Man-Made Sources**	**Human Health Effects**
	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.	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.
Notes: [1] 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).		
Source: California Air Pollution Control Officers Association (CAPCOA), *Health Effects*, http://www.capcoa.org/health-effects/, accessed March 11, 2020.		

Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (i.e. chronic, carcinogenic or 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. Due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Ambient Air Quality

CARB monitors ambient air quality at approximately 250 air monitoring stations across the State. These 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 are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SCAB that maintains air quality monitoring stations which process ambient air quality measurements.

Pollutants of concern in the SCAB include O_3, PM_{10}, and $PM_{2.5}$. The closest air monitoring station to the Project that monitors ambient concentrations of these pollutants is the Fontana-Arrow Monitoring Station (located approximately 5.0 miles to the southwest). Local air quality data from 2015 to 2017 are provided in Table 2: Ambient Air Quality Data, which lists the monitored maximum concentrations and number of exceedances of state or federal air quality standards for each year.

Table 2: Ambient Air Quality Data

Criteria Pollutant	2016	2017	2018
Ozone (O_3) [1]			
1-hour Maximum Concentration (ppm)	0.139	0.137	0.141
8-hour Maximum Concentration (ppm)	0.105	0.118	0.111
Number of Days Standard Exceeded			
CAAQS 1-hour (>0.09 ppm)	34	33	38
NAAQS 8-hour (>0.070 ppm)	49	49	69
Carbon Monoxide (CO) [1]			
1-hour Maximum Concentration (ppm)	1.66	1.62	1.92
Number of Days Standard Exceeded			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
Nitrogen Dioxide (NO_2) [1]			
1-hour Maximum Concentration (ppm)	71.7	69.2	63.0
Number of Days Standard Exceeded			
NAAQS 1-hour (>100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
Particulate Matter Less Than 10 Microns (PM_{10}) [1]			
National 24-hour Maximum Concentration	94.0	75.3	64.1
State 24-hour Maximum Concentration	94.8	75.3	61.5
State Annual Average Concentration (CAAQS=20 µg/m³)	—	—	—
Number of Days Standard Exceeded			
NAAQS 24-hour (>150 µg/m³)	0	0	0
CAAQS 24-hour (>50 µg/m³)	14	8	8
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$) [1]			
National 24-hour Maximum Concentration	58.8	39.2	29.2
State 24-hour Maximum Concentration	58.8	39.2	29.2
Number of Days Standard Exceeded			
NAAQS 24-hour (>35 µg/m³)	1	1	0

Notes:
NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m³ = micrograms per cubic meter; – = not measured
[1] Measurements taken at the Fontana-Arrow Monitoring Station at 14360 Arrow Boulevard, Fontana, California 92335 (CARB# 36197)

Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (https://www.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).

2.3 SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are 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. Sensitive land uses surrounding the Project consist mostly of single-family residential communities. Sensitive land uses near the Project include the single-family residential communities 330 feet to the east and a future residential community currently under construction 215 feet to the southwest.

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 United States Environmental Protection Agency (EPA) developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including O_3, NO_2, CO, SO_2, PM_{10}, $PM_{2.5}$, and lead. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires each state to prepare a State Implementation Plan to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The EPA can withhold certain transportation funds from states that fail to comply with the planning requirements of the FCAA. If a state fails to correct these planning deficiencies within two years of Federal notification, the EPA is required to develop a Federal implementation plan for the identified nonattainment area or areas. The provisions of 40 Code of Federal Regulations Parts 51 and 93 apply in all nonattainment and maintenance areas for transportation-related criteria pollutants for which the area is designated nonattainment or has a maintenance plan. The EPA has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in Table 3: State and Federal Ambient Air Quality Standards.

3.2 STATE OF CALIFORNIA

California Air Resources Board

CARB administers the air quality policy in California. 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 3, 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.

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 State Implementation Plan 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 3.

Table 3: State and Federal Ambient Air Quality Standards

Pollutant	Averaging Time	State Standards[1]	Federal Standards[2]
Ozone (O_3) [2, 5, 7]	8 Hour	0.070 ppm (137 µg/m^3)	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m^3)	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)
	1 Hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)
Nitrogen Dioxide (NO_2)	1 Hour	0.18 ppm (339 µg/m^3)	0.10 ppm[11]
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	0.053 ppm (100 µg/m^3)
Sulfur Dioxide (SO_2) [8]	24 Hour	0.04 ppm (105 µg/m^3)	0.14 ppm (365 µg/m^3)
	1 Hour	0.25 ppm (655 µg/m^3)	0.075 ppm (196 µg/m^3)
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m^3)
Particulate Matter (PM_{10}) [1, 3, 6]	24-Hour	50 µg/m^3	150 µg/m^3
	Annual Arithmetic Mean	20 µg/m^3	NA
Fine Particulate Matter ($PM_{2.5}$) [3, 4, 6, 9]	24-Hour	NA	35 µg/m^3
	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3
Sulfates (SO_{4-2})	24 Hour	25 µg/m^3	NA
Lead (Pb) [10, 11]	30-Day Average	1.5 µg/m^3	NA
	Calendar Quarter	NA	1.5 µg/m^3
	Rolling 3-Month Average	NA	0.15 µg/m^3
Hydrogen Sulfide (H_2S)	1 Hour	0.03 ppm (0.15 µg/m^3)	NA
Vinyl Chloride (C_2H_3Cl) [10]	24 Hour	0.01 ppm (26 µg/m^3)	NA

Notes:
ppm = parts per million; µg/m^3 = micrograms per cubic meter; mg/m^3 = milligrams per cubic meter; – = no information available.

1 California standards for O_3, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM_{10}, 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_{10} annual standard), then some measurements may be excluded. Measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe carbon monoxide standard is 6.0 ppm, a level one-half the national standard and two-thirds the State standard.

2 National standards shown are the "primary standards" designed to protect public health. National standards other than for O_3, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour O_3 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 O_3 standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm or less. The 24-hour PM_{10} standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m$_3$. The 24-hour $PM_{2.5}$ standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m^3.

3 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_{10} is met if the 3-year average falls below the standard at every site. The annual $PM_{2.5}$ standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard. NAAQS 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 O_3 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 O_3 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 O_3 level in the area.

5 The national 1-hour O_3 standard was revoked by the EPA on June 15, 2005.

6 In June 2002, CARB established new annual standards for $PM_{2.5}$ and PM_{10}.

7 The 8-hour California O_3 standard was approved by the CARB on April 28, 2005 and became effective on May 17, 2006.

8 On June 2, 2010, the EPA established a new 1-hour SO_2 standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO_2 NAAQS however must continue to be used until one year following EPA initial designations of the new 1-hour SO_2 NAAQS.

9 In December 2012, EPA strengthened the annual $PM_{2.5}$ NAAQS from 15.0 to 12.0 µg/m^3. In December 2014, the EPA issued final area designations for the 2012 primary annual $PM_{2.5}$ 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.

10 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.

11 National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; California Air Resources Board, *Ambient Air Quality Standards*, May 6, 2016.

3.3 REGIONAL

South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The agency's primary responsibility is ensuring that state and federal ambient air quality standards are attained and maintained in the SCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, conducting public education campaigns, and many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The SCAQMD is also the lead agency in charge of developing the AQMP, with input from the Southern California Association of Governments (SCAG) and CARB. The AQMP is a comprehensive plan that includes control strategies for stationary and area sources, as well as for on-road and off-road mobile sources. SCAG has the primary responsibility for providing future growth projections and the development and implementation of transportation control measures. CARB, in coordination with federal agencies, provides the control element for mobile sources.

The 2016 AQMP was adopted by the SCAQMD Governing Board on March 3, 2017. The purpose of the AQMP is to set forth a comprehensive and integrated program that would lead the SCAB into compliance with the federal 24-hour $PM_{2.5}$ air quality standard, and to provide an update to the SCAQMD's commitments towards meeting the federal 8-hour O_3 standards. The AQMP incorporates the latest scientific and technological information and planning assumptions, including the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS) and updated emission inventory methodologies for various source categories.

The SCAQMD has published the *CEQA Air Quality Handbook* (approved by the SCAQMD Governing Board in 1993 and augmented with guidance for Local Significance Thresholds [LST] in 2008). The SCAQMD guidance helps local government agencies and consultants to develop environmental documents required by California Environmental Quality Act (CEQA) and provides identification of suggested thresholds of significance for criteria pollutants for both construction and operation (see discussion of thresholds below). With the help of the *CEQA Air Quality Handbook* and associated guidance, local land use planners and consultants are able to analyze and document how proposed and existing projects affect air quality in order to meet the requirements of the CEQA review process. The SCAQMD periodically provides supplemental guidance and updates to the handbook on their website.

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization and under State law as a Regional Transportation Planning Agency and a Council of Governments.

The state and federal attainment status designations for the SCAB are summarized in Table 4: South Coast Air Basin Attainment Status. The SCAB is currently designated as a nonattainment area with respect to the State O_3, PM_{10}, and $PM_{2.5}$ standards, as well as the national 8-hour O_3 and $PM_{2.5}$ standards. The SCAB is designated as attainment or unclassified for the remaining state and federal standards.

Table 4: South Coast Air Basin Attainment Status

Pollutant	State	Federal
Ozone (O_3) (1 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Ozone (O_3) (8 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Particulate Matter ($PM_{2.5}$) (24 Hour Standard)	–	Non-Attainment (Serious)
Particulate Matter ($PM_{2.5}$) (Annual Standard)	Non-Attainment	Non-Attainment (Moderate)
Particulate Matter (PM_{10}) (24 Hour Standard)	Non-Attainment	Attainment (Maintenance)
Particulate Matter (PM_{10}) (Annual Standard)	Non-Attainment	–
Carbon Monoxide (CO) (1 Hour Standard)	Attainment	Attainment (Maintenance)
Carbon Monoxide (CO) (8 Hour Standard)	Attainment	Attainment (Maintenance)
Nitrogen Dioxide (NO_2) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Nitrogen Dioxide (NO_2) (Annual Standard)	Attainment	Attainment (Maintenance)
Sulfur Dioxide (SO_2) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Sulfur Dioxide (SO_2) (24 Hour Standard)	Attainment	–
Lead (Pb) (30 Day Standard)	–	Unclassifiable/Attainment
Lead (Pb) (3 Month Standard)	Attainment	–
Sulfates (SO_{4-2}) (24 Hour Standard)	Attainment	–
Hydrogen Sulfide (H_2S) (1 Hour Standard)	Unclassified	–

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2018.

The following is a list of SCAQMD rules that are required of construction activities associated with the Project:

- **Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM_{10} suppression techniques are summarized below.

a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.

b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.

c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.

d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.

e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.

- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.

3.4 LOCAL

City of Fontana General Plan

Chapter 6, Building a Healthier Fontana of the City's General Plan identifies goals that will result in a healthier city. Goals and policies that relate to air quality impacts include the following:

Goal 1: The average lifespan in Fontana is consistently within the top ten of all southern California cities.

Policy 1.3: Support local and regional initiatives to improve air quality in order to reduce asthma while actively discouraging development that may exacerbate asthma.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 AIR QUALITY THRESHOLDS

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

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable state or federal ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

SCAQMD Thresholds

The significance criteria established by SCAQMD may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if the Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in Table 5: South Coast Air Quality Management District Emissions Thresholds.

Table 5: South Coast Air Quality Management District Emissions Thresholds (Maximum Pounds Per Day)

Criteria Air Pollutants and Precursors	Construction-Related	Operational-Related
Reactive Organic Gases (ROG)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxides (NO_X)	100	55
Sulfur Oxides (SO_X)	150	150
Coarse Particulates (PM_{10})	150	150
Fine Particulates ($PM_{2.5}$)	55	55

Source: South Coast Air Quality Management District, *CEQA Air Quality Significance Thresholds,* April 2019.

Localized Carbon Monoxide

In addition to the daily thresholds listed above, development associated with the Project would also be subject to the ambient air quality standards. These are addressed though an analysis of localized CO impacts. The significance of localized impacts depends on whether ambient CO levels near the Project are above state and federal CO standards (the more stringent California standards are 20 ppm for 1-hour and 9 ppm for 8-hour). The SCAB has been designated as attainment under the 1-hour and 8-hour standards.

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at new development sites (off-site mobile source emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to

cause or substantially contribute to an exceedance of the most stringent state or federal ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The City of Fontana is located within SCAQMD SRA 34. Table 6: Local Significance Thresholds for Construction/Operations, shows the LSTs for a 1-acre, 2-acre, and 5-acre project in SRA 34 with sensitive receptors located within 50 meters of the Project.

Table 6: Local Significance Thresholds for Construction/Operations (Maximum Pounds Per Day)

Project Size	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Coarse Particulates (PM_{10})	Fine Particulates ($PM_{2.5}$)
1 Acre	148/148	1,044/1,044	13/3	5/2
2 Acres	200/200	1,442/1,422	22/6	6/2
5 Acres	302/302	2,361/2,361	44/11	10/3

Source: South Coast Air Quality Management District, *Localized Significance Threshold Methodology,* July 2008.

4.2 METHODOLOGY

This air quality impact analysis considers construction and operational impacts associated with the Project. 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 methodologies recommended by CARB and the SCAQMD. 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.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 AIR QUALITY ANALYSIS

Threshold 5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

As part of its enforcement responsibilities, the EPA requires each state with nonattainment areas to prepare and submit a State Implementation Plan that demonstrates the means to attain the federal standards. The State Implementation Plan must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under State law, the CCAA requires an air quality attainment plan to be prepared for areas designated as nonattainment regarding the state and federal ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

The Project is located within the SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the FCAA, to reduce emissions of criteria pollutants for which the SCAB is in nonattainment. To reduce such emissions, the SCAQMD drafted the 2016 AQMP. The 2016 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional and multi-agency effort including the SCAQMD, the CARB, the SCAG, and the EPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's 2016 RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project is subject to the SCAQMD's AQMP.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- **Consistency Criterion No. 1**: The Project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2**: The Project will not exceed the assumptions in the AQMP or increments based on the years of the Project build-out phase.

According to the SCAQMD's *CEQA Air Quality Handbook*, the purpose of the consistency finding is to determine if a project is inconsistent with the assumptions and objectives of the regional air quality plans, and thus if it would interfere with the region's ability to comply with CAAQS and NAAQS.

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As shown in Table 7, Table 8, and Table 9 below, the Project would not exceed the construction standards and net emissions would not exceed operational standards. Therefore, the Project would not contribute to an existing air quality violation. Thus, the Project would be consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans. Although the Project requires a General Plan

Amendment (GPA) and a Zone Change, the Project would not result in a direct increase in population since the proposed warehouse would not accommodate any new residents. As such, the Project would not result in substantial unplanned growth or unaccounted for growth in the General Plan or job growth projections used by the SCAQMD to develop the AQMP. Thus, a less than significant impact would occur no impact would occur, as the Project is also consistent with the second criterion.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 5.2 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 state or federal ambient air quality standard?

Construction Emissions

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include O_3-precursor pollutants (i.e. ROG and NO_X) and PM_{10} and $PM_{2.5}$. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from 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.

The duration of construction activities associated with the Project is estimated to last approximately 9 months. Construction-generated emissions associated the Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A: Air Quality Modeling Data for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the Project are summarized in in Table 7: Construction-Related Emissions.

Table 7: Construction-Related Emissions (Maximum Pounds Per Day)						
Construction Year	**Reactive Organic Gases (ROG)**	**Nitrogen Oxide (NO_x)**	**Carbon Monoxide (CO)**	**Sulfur Dioxide (SO_2)**	**Coarse Particulate Matter (PM_{10})**	**Fine Particulate Matter ($PM_{2.5}$)**
2020	4.56	50.27	32.86	0.08	8.38	4.58
2021	34.64	41.89	47.25	0.11	3.79	1.11
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Notes: SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; cover stock piles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.						
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.						

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. SCAQMD Rules 402 and 403 (prohibition of nuisances, watering of inactive and perimeter areas, track out requirements, etc.), are applicable to the Project and were applied in CalEEMod to minimize fugitive dust emissions. Mitigation Measure AQ-1 requires the implementation of Rule 402 and 403 dust control techniques to minimize PM_{10} and $PM_{2.5}$ concentrations. The recommended mitigation measures would be required to ensure compliance with SCAQMD Rules and Regulations, which would be verified and enforced through the City's development review process.

Rule 1113 provides specifications on painting practices and regulates the ROG content of paint. As required by law, all architectural coatings for the Project structures would comply with SCAQMD Rule 1113. Table 7 shows that Project construction would not exceed ROG thresholds.

As shown in Table 7, all criteria pollutant emissions would remain below their respective thresholds. While impacts would be considered less than significant, the Project would be subject to SCAQMD Rules 402, 403, and 1113, described in the Regulatory Framework subsection above and required by Mitigation Measure AQ-1.

Operational Emissions

Project-generated emissions would be primarily associated with motor vehicle use and area sources, such as the use of landscape maintenance equipment and architectural coatings. Long-term operational emissions attributable to the Project are summarized in Table 8: Long-Term Operational Emissions. Note that emissions rates differ from summer to winter due to the formulation of fuel in California for winter and summer blends. As shown in Table 8**,** the Project emissions would not exceed SCAQMD thresholds for any criteria air pollutants. Therefore, regional operations emissions would result in a less than significant long-term regional air quality impact.

Area Source Emissions

Area source emissions would be generated due to on-site equipment, architectural coating, and landscaping that were previously not present on the site. As shown in Table 8, area source emissions from the Project would not exceed SCAQMD thresholds for either the winter or summer seasons. Therefore, mitigation measures are not required to reduce criteria pollutants and no significant impacts are anticipated.

Energy Source Emissions

Energy source emissions would be generated due to electricity and natural gas usage associated with the Project. Primary uses of electricity and natural gas by the Project would be for miscellaneous warehouse equipment, space heating and cooling, water heating, ventilation, lighting, appliances, and electronics. As shown in Table 8, energy source emissions from the Project would not exceed SCAQMD thresholds for criteria pollutants. As such, the Project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation. As a result, impacts associated with operational air quality would be less than significant.

Table 8: Long-Term Operational Emissions (Maximum Pounds Per Day)

Source	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO_X)	Carbon Monoxide (CO)	Sulfur Dioxide (SO_2)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Summer Emissions						
Area Source Emissions	7.12	0.00	0.06	0.00	0.0	0.00
Energy Emissions	0.02	0.19	0.16	0.00	0.01	0.01
Mobile Emissions	4.17	26.33	37.09	0.13	8.31	2.43
Off-Road Emissions	0.26	2.36	2.34	0.00	0.17	0.15
Total Emissions	**11.58**	**28.87**	**39.63**	**0.13**	**8.49**	**2.60**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Winter Emissions						
Area Source Emissions	7.12	0.00	0.06	0.00	0.00	0.00
Energy Emissions	0.02	0.19	0.16	0.00	0.01	0.01
Mobile Emissions	3.50	27.62	34.17	0.13	8.31	2.43
Off-Road Emissions	0.26	2.36	2.34	0.00	0.17	0.15
Total Emissions	**10.90**	**30.17**	**36.72**	**0.13**	**8.49**	**2.60**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Mobile Source

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_X, PM_{10}, and $PM_{2.5}$ are all pollutants of regional concern. NO_X and ROG react with sunlight to form O_3, known as photochemical smog. Additionally, wind currents readily transport PM_{10} and $PM_{2.5}$. However, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions have been estimated using CalEEMod, as recommended by the SCAQMD. Trip generation rates associated with the Project were based on the standard rates for warehousing. Based on these rates, the Project would generate 579 daily trips (20 percent trucks).[4] As shown in Table 8, the anticipated mobile source emissions do not exceed SCAQMD thresholds for criteria pollutants. Therefore, air quality impacts associated with mobile source emissions from the Project would be less than significant.

Cumulative Short-Term Emissions

The SCAB is designated nonattainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards and nonattainment for O_3 and $PM_{2.5}$ for Federal standards. Appendix D of the SCAQMD White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003) notes that projects that result in emissions that do not exceed the project-specific SCAQMD regional thresholds of significance should result in a less than significant impact on a cumulative basis unless there is other pertinent information to the contrary. The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in Table 7 above, Project construction-related emissions by themselves would not exceed the SCAQMD significance thresholds for criteria pollutants. Therefore, the proposed Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

The SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the AQMP pursuant to the FCAA mandates. The analysis assumed fugitive dust controls would be utilized during construction, including frequent water applications. SCAQMD rules, mandates, and compliance with adopted AQMP emissions control measures would also be imposed on construction projects throughout the SCAB, which would include related projects. Compliance with SCAQMD rules and regulations would further reduce the Project construction-related impacts. Therefore, Project-related construction emissions, combined with those from other projects in the area, would not substantially deteriorate local air quality. 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 SCAQMD 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 to, by itself, result in nonattainment of ambient air quality standards. Instead, individual project emissions contribute to existing cumulatively significant adverse air quality impacts. The SCAQMD developed the operational thresholds of significance based on the level above which individual project emissions would result in a cumulatively considerable contribution to the SCAB's existing air quality conditions. Therefore, a project that exceeds the SCAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.

As shown in Table 8, the Project operational emissions would not exceed SCAQMD thresholds. As a result, operational emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts. Additionally, adherence to SCAQMD rules and

[4] Kimley-Horn and Associates, Inc., *Traffic Impact Study for the Proposed Sierra and Casa Grande Warehouse*, May 2020.

regulations would alleviate potential impacts related to cumulative conditions on a project-by-project basis. Project operations would not contribute a cumulatively considerable net increase of any nonattainment criteria pollutant.

Mitigation Measures:

AQ-1 Prior to the issuance of grading permits, the City Engineer shall confirm that the Grading Plan, Building Plans and Specifications require all construction contractors to comply with South Coast Air Quality Management District's (SCAQMD's) Rules 402 and 403 to minimize construction emissions of dust and particulates. The measures include, but are not limited to, the following:

- Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
- All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
- All material transported off site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
- The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
- Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.

Level of Significance: Less than significant impact with mitigation incorporated.

Threshold 5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Localized Construction Significance Analysis

The nearest sensitive receptors are the single-family residences located 230 feet (70 meters) to the northeast of the Project. To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 9: Equipment-Specific Grading Rates, is used to determine the maximum daily disturbed acreage for comparison to LSTs. The appropriate SRA for the localized significance thresholds is the Central San Bernardino Valley (SRA 34) since this area includes the Project. LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Project construction is anticipated to disturb a maximum of 3.0 acres in a single day. As the LST guidance provides thresholds for projects disturbing 1-, 2-, and 5-acres in size and the thresholds increase with size of the site, the LSTs for a 3.0-acre threshold were interpolated and utilized for this analysis.

The SCAQMD's methodology states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors are the single-family residences located 215 feet (66 meters) northeast of the Project. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors located at 50 meters were conservatively utilized in this analysis. Table 10: Localized Significance of Construction Emissions, presents the results of localized emissions during construction.

Table 9: Equipment-Specific Grading Rates

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Tractors	0	0.5	8	0
	Graders	1	0.5	8	0.5
	Dozers	1	0.5	8	0.5
	Scrapers	2	1	8	2
				Total Acres Graded per Day	**3.0**

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Table 10: Localized Significance of Construction Emissions (Maximum Pounds Per Day)

Construction Activity	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Site Preparation (2020)	42.42	21.51	10.33	6.49
Grading (2020)	50.20	31.96	6.08	3.62
Building Construction (2020)	19.19	16.85	1.12	1.05
Building Construction (2021)	17.43	16.58	0.96	0.90
Paving (2021)	12.92	14.65	0.68	0.62
Architectural Coating (2021)	1.53	1.82	0.09	0.09
SCAQMD Localized Screening Threshold (adjusted for 3 acres at 50 meters)	*234*	*1,748*	*29*	*7*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Table 10 shows that emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Significant impacts would not occur concerning LSTs during construction.

In addition to this air quality assessment, a separate Health Risk Assessment (HRA) has been prepared for this project. Although construction emissions did not exceed air quality thresholds, the HRA determined that mitigation was required based on the health risk. The HRA identified construction mitigation which requires the use of Tier 4 construction equipment (refer to *Health Risk Assessment: Sierra Avenue and Casa Grande Warehouse Project*, 2020).

Localized Operational Significance Analysis

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project only if it includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g. warehouse or transfer facilities). Since the Project is a warehouse, the operational phase LST protocol is conservatively applied to both the area source and all the mobile source emissions. As the nearest receptors are located approximately 215 feet (66 meters) from the Project site, LSTs were interpolated for receptors located at 66 meters for SRA 34 in this analysis. Although the Project is 16.5 acres, the 5-acre LST threshold was conservatively for the Project, as the LSTs increase with the size of the site.

The LST analysis only includes on-site sources. However, the CalEEMod model outputs do not separate on- and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions shown in Table 11: Localized Significance of Operational Emissions, conservatively include all on-site Project-related stationary sources and 100 percent of the Project-related new mobile sources, since a portion of mobile sources could include trucks idling on-site. Table 11 shows that the maximum daily emissions of these pollutants during operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

Table 11: Localized Significance of Operational Emissions (Maximum Pounds Per Day)

Activity	Nitrogen Oxide (NO_x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
On-Site and Mobile Source Emissions	30.17	36.72	8.49	2.60
SCAQMD Localized Screening Threshold (adjusted for 5 acres at 66 meters)	*386*	*1,100*	*17*	*4*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Criteria Pollutant Health Impacts

On December 24, 2018, the California Supreme Court issued an opinion identifying the need to provide sufficient information connecting a project's air emissions to health impacts or explain why such information could not be ascertained (*Sierra Club v. County of Fresno* [Friant Ranch, L.P.] [2018] Cal.5th, Case No. S219783). The SCAQMD has set its CEQA significance thresholds based on the FCAA, which defines a major stationary source (in extreme ozone nonattainment areas such as the South Coast Air Basin) as emitting 10 tons per year. The thresholds correlate with the trigger levels for the federal New Source Review (NSR) Program and SCAQMD Rule 1303 for new or modified sources. The NSR Program[5] was created by the FCAA to ensure that stationary sources of air pollution are constructed or modified in a manner that is 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, projects that do not exceed the SCAQMD's LSTs and mass emissions thresholds would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts.

[5] Code of Federal Regulation (CFR) [i.e., PSD (40 CFR 52.21, 40 CFR 51.166, 40 CFR 51.165 (b)), Non-attainment NSR (40 CFR 52.24, 40 CFR 51.165, 40 CFR part 51, Appendix S)

NO_X and ROG are precursor emissions that form ozone in the atmosphere in the presence of sunlight where the pollutants undergo complex chemical reactions. It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources. Breathing ground-level ozone can result health effects that include: reduced lung function, inflammation of airways, throat irritation, pain, burning, or discomfort in the chest when taking a deep breath, chest tightness, wheezing, or shortness of breath. In addition to these effects, evidence from observational studies strongly indicates that higher daily ozone concentrations are associated with increased asthma attacks, increased hospital admissions, increased daily mortality, and other markers of morbidity. The consistency and coherence of the evidence for effects upon asthmatics suggests that ozone can make asthma symptoms worse and can increase sensitivity to asthma triggers.

According the SCAQMD's 2016 AQMP, ozone, NO_X, and ROG have been decreasing in the Basin since 1975 and are projected to continue to decrease in the future. Although vehicle miles traveled in the Basin continue to increase, NO_X and ROG levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_X emissions from electric utilities have also decreased due to the use of cleaner fuels and renewable energy. The 2016 AQMP demonstrates how the SCAQMD's control strategy to meet the 8-hour ozone standard in 2023 would lead to sufficient NO_X emission reductions to attain the 1-hour ozone standard by 2022. In addition, since NO_X emissions also lead to the formation of $PM_{2.5}$, the NO_X reductions needed to meet the ozone standards will likewise lead to improvement of $PM_{2.5}$ levels and attainment of $PM_{2.5}$ standards.

The SCAQMD's air quality modeling demonstrates that NO_X reductions prove to be much more effective in reducing ozone levels and will also lead to significant improvement in $PM_{2.5}$ concentrations. NO_X-emitting stationary sources regulated by the SCAQMD include Regional Clean Air Incentives Market (RECLAIM) facilities (e.g., refineries, power plants, etc.), natural gas combustion equipment (e.g., boilers, heaters, engines, burners, flares) and other combustion sources that burn wood or propane. The 2016 AQMP identifies robust NO_X reductions from new regulations on RECLAIM facilities, non-refinery flares, commercial cooking, and residential and commercial appliances. Such combustion sources are already heavily regulated with the lowest NO_X emissions levels achievable but there are opportunities to require and accelerate replacement with cleaner zero-emission alternatives, such as residential and commercial furnaces, pool heaters, and backup power equipment. The AQMD plans to achieve such replacements through a combination of regulations and incentives. Technology-forcing regulations can drive development and commercialization of clean technologies, with future year requirements for new or existing equipment. Incentives can then accelerate deployment and enhance public acceptability of new technologies.

The 2016 AQMD also emphasizes that beginning in 2012, continued implementation of previously adopted regulations will lead to NO_X emission reductions of 68 percent by 2023 and 80 percent by 2031. With the addition of 2016 AQMP proposed regulatory measures, a 30 percent reduction of NO_X from stationary sources is expected in the 15-year period between 2008 and 2023. This is in addition to significant NO_X reductions from stationary sources achieved in the decades prior to 2008.

As previously discussed, Project emissions would be less than significant and would not exceed SCAQMD thresholds (refer to Table 7 and Table 8). Localized effects of on-site Project emissions on nearby receptors were also found to be less than significant (refer to Table 10 and Table 11). The LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable state or federal ambient air quality standard. The LSTs were developed by the SCAQMD based on the ambient concentrations of that pollutant for each SRA and distance to the nearest

sensitive receptor. The ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect public health, including protecting the health of sensitive populations.

Carbon Monoxide Hotspots

An analysis of CO "hot spots" is needed to determine whether the change in the level of service of an intersection resulting from the Project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined. Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard.

The South Coast Air Basin (SCAB) was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD's AQMP. The 2003 AQMP is the most recent version that addresses CO concentrations. As part of the SCAQMD *CO Hotspot Analysis*, the Wilshire Boulevard/Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 ppm, which is well below the 35-ppm Federal standard. The Project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's *CO Hotspot Analysis*. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections resulting from 554 additional vehicle trips attributable to the Project. Therefore, impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The SCAQMD *CEQA Air Quality Handbook* identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources.

During construction-related activities, some odors (not substantial pollutant concentrations) that may be detected are those typical of construction vehicles (e.g. diesel exhaust from grading and construction equipment). These odors are a temporary short-term impact that is typical of construction projects and would disperse rapidly. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, the Project would not create objectionable odors.

Mitigation Measures: No mitigation is required.

Level of Significance: No impact.

6 REFERENCES

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4. California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective*, 2005.
5. California Air Resources Board, *Current Air Quality Standards*, 2016.
6. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, 2000.
7. City of Fontana, *General Plan Update 2015-2035*, November 2018
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9. Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, 2015.
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11. Southern California Association of Governments, *2016 - 2040 Regional Transportation Plan/Sustainable Communities Strategy*, 2016.
12. South Coast Air Quality Management District, *2016 Air Quality Management Plan,* March 2017.
13. South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.
14. South Coast Air Quality Management District, *Localized Significance Threshold Methodology*, 2009.
15. South Coast Air Quality Management District, *High-Cube Warehouse Vehicle Trip Generation Analysis*, 2016.
16. United States Environmental Protection Agency, *National Ambient Air Quality Standards Table*, 2016.
17. United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants*, 2019.
18. United States Environmental Protection Agency, *Policy Assessment for the Review of the Lead National Ambient Air Quality Standards*, 2013.

Appendix A

Air Quality Modeling Data

Sierra and Casa Grande 5/27/2020

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.11	10,000.00	0
Unrefrigerated Warehouse-No Rail	323.00	1000sqft	7.41	322,996.00	0
Parking Lot	239.15	1000sqft	5.49	239,148.00	0
Other Asphalt Surfaces	16.06	1000sqft	0.37	16,056.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - Warehouse 322,996 SF + Office 10,000 SF = 332,996 SF. Not refrigerated - Building Footprint Area = 327,996 SF (5,000 SF mezzanine)
Total Parking Area including drive aisles = 239,148 SF, other surface = offsite improvements

Construction Phase - Using default construction schedule, except assume paving and painting will occur during Construction

Trips and VMT -

Grading - no import/export data available at this time

Architectural Coating - Low VOC Paint

Vehicle Trips - Based on traffic study: 579 ADT, trip rate: 579/322.996= 1.7925918587227086403546793149141

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Area Coating - Low VOC paint

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - use low-flow fixtures

Waste Mitigation - AB 939 - divert atleast 50% of solid waste from landfills

Operational Off-Road Equipment - Assume 2 forklifts for building

Fleet Mix - Fleet Mix based on Traffic Study

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
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tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	20.00	54.00
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tblFleetMix	UBUS	1.6070e-003	0.00
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tblLandUse	LandUseSquareFeet	239,150.00	239,148.00
tblLandUse	LotAcreage	0.23	0.11
tblLandUse	LotAcreage	7.42	7.41
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
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tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.45
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9440e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7870e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.66
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93

tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	1.26
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44

tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.63
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003

tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.82
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.50
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07

tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.61
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0900e-004
tblVehicleEF	LDT2	0.14	0.89
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tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05

tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.52
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1800e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43

tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.27
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
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tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
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tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
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tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
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tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.0200e-004
tblVehicleEF	LHD1	3.7970e-003	0.04

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tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
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tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	2.43
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tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	10.18
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.12	1.29
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tblVehicleEF	LHD1	9.6600e-004	0.01
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tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
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tblVehicleEF	LHD1	7.5090e-003	0.08

tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
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tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
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tblVehicleEF	LHD1	7.5090e-003	0.08
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tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.26
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.22	1.36

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tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.0200e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD2	3.8190e-003	0.05

tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.20
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003

tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	9.1370e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.57
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	7.61
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7100e-004	7.5000e-005
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	9.4560e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54

tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	7.6000e-005
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.00	2.35
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88

tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83

tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86

tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8700e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51

tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.87
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7600e-004
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45

tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8700e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9100e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.44	0.11

tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.05
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8800e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59

tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.27
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tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
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tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
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tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9100e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10

tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.36
tblVehicleEF	MHD	155.10	780.82
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99
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tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	4.1800e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	1.4330e-003	4.5970e-003
tblVehicleEF	MHD	0.05	7.3280e-003
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3840e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02

tblVehicleEF	MHD	1.4910e-003	7.3950e-003
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4400e-004	3.0000e-005
tblVehicleEF	MHD	1.4330e-003	4.5970e-003
tblVehicleEF	MHD	0.05	7.3280e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3840e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	2.9710e-003
tblVehicleEF	MHD	0.24	2.72
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
tblVehicleEF	MHD	164.29	793.74
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	2.96
tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.06

tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	2.8480e-003	8.4260e-003
tblVehicleEF	MHD	0.05	8.5070e-003
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	1.6690e-003	4.8010e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	7.5180e-003
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.3800e-004	2.9000e-005
tblVehicleEF	MHD	2.8480e-003	8.4260e-003
tblVehicleEF	MHD	0.05	8.5070e-003
tblVehicleEF	MHD	0.03	0.22
tblVehicleEF	MHD	1.6690e-003	4.8010e-003
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tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.1530e-003	5.9780e-003
tblVehicleEF	MHD	0.06	3.0730e-003
tblVehicleEF	MHD	0.46	3.91
tblVehicleEF	MHD	0.31	0.52
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tblVehicleEF	MHD	142.41	762.95
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99

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tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38
tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	1.5800e-003	4.8400e-003
tblVehicleEF	MHD	0.05	8.2350e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4390e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	7.2250e-003
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	3.0000e-005
tblVehicleEF	MHD	1.5800e-003	4.8400e-003
tblVehicleEF	MHD	0.05	8.2350e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4390e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	0.13

tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	9.46
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	1.67
tblVehicleEF	OBUS	70.21	1,555.56
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.32	9.92
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.99
tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	1.0800e-004	0.04
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	1.3700e-004

tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	9.0270e-003
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tblVehicleEF	OBUS	0.75	0.99
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tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	9.1000e-005	0.03
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.39	0.08
tblVehicleEF	OBUS	7.1200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	1.3500e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	10.12
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	1.68
tblVehicleEF	OBUS	65.88	1,542.13
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.31	9.95
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99

tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.4100e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	1.3700e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.64	28.74

tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	2.56
tblVehicleEF	SBUS	1,270.71	3,328.19
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.78
tblVehicleEF	SBUS	12.46	30.54
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.3130e-003	7.4840e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4600e-004
tblVehicleEF	SBUS	3.0740e-003	0.02

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.3130e-003	7.4840e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.48	28.38
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	1.85
tblVehicleEF	SBUS	1,335.64	3,405.36
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	13.61
tblVehicleEF	SBUS	12.86	31.23
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.76
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	5.9210e-003	0.03

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.35
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.23	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3500e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.96	4.83
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42

tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7230e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4800e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7230e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45

tblVehicleEF	UBUS	0.09	9.2990e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	3.8760e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2710e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.0600e-004
tblVehicleEF	UBUS	8.4220e-003	3.8760e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2710e-003
tblVehicleEF	UBUS	2.68	4.54

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4410e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	7.1140e-003
tblVehicleEF	UBUS	0.15	8.7360e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.0400e-004
tblVehicleEF	UBUS	0.02	7.1140e-003

tblVehicleEF	UBUS	0.15	8.7360e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3770e-003
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	4.0000e-003
tblVehicleEF	UBUS	0.15	8.2160e-003
tblVehicleEF	UBUS	4.2700e-003	2.3060e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03

tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.0600e-004
tblVehicleEF	UBUS	9.6690e-003	4.0000e-003
tblVehicleEF	UBUS	0.15	8.2160e-003
tblVehicleEF	UBUS	4.2700e-003	2.3060e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CW_TL	16.60	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.79
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.79
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.79

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5593	50.2676	32.8577	0.0795	18.2675	2.1987	20.4662	9.9840	2.0228	12.0069	0.0000	7,943.3171	7,943.3171	1.9493	0.0000	7,965.3169
2021	34.6354	41.8916	47.2540	0.1112	3.9777	1.7676	5.7453	1.0686	1.6536	2.7222	0.0000	11,021.2855	11,021.2855	1.6123	0.0000	11,061.5925
Maximum	**34.6354**	**50.2676**	**47.2540**	**0.1112**	**18.2675**	**2.1987**	**20.4662**	**9.9840**	**2.0228**	**12.0069**	**0.0000**	**11,021.2855**	**11,021.2855**	**1.9493**	**0.0000**	**11,061.5925**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.9176	12.9916	33.8986	0.0795	8.3153	0.1039	8.3787	4.5183	0.1029	4.5816	0.0000	7,943.3171	7,943.3171	1.9493	0.0000	7,965.3169
2021	31.8980	13.5924	50.7964	0.1112	3.6750	0.1193	3.7943	0.9943	0.1169	1.1112	0.0000	11,021.2855	11,021.2855	1.6123	0.0000	11,061.5925
Maximum	**31.8980**	**13.5924**	**50.7964**	**0.1112**	**8.3153**	**0.1193**	**8.3787**	**4.5183**	**0.1169**	**4.5816**	**0.0000**	**11,021.2855**	**11,021.2855**	**1.9493**	**0.0000**	**11,061.5925**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**13.72**	**71.15**	**-5.72**	**0.00**	**46.10**	**94.37**	**53.56**	**50.12**	**94.02**	**61.35**	**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	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Energy	0.0204	0.1854	0.1558	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.5244	222.5244	4.2700e-003	4.0800e-003	223.8467
Mobile	4.1747	26.3314	37.0825	0.1309	8.0307	0.2758	8.3065	2.1629	0.2673	2.4302		13,823.9671	13,823.9671	0.6525		13,840.2785
Offroad	0.2587	2.3583	2.3357	3.0600e-003		0.1674	0.1674		0.1540	0.1540		296.0617	296.0617	0.0958		298.4555
Total	**11.5751**	**28.8757**	**39.6343**	**0.1351**	**8.0307**	**0.4575**	**8.4882**	**2.1629**	**0.4356**	**2.5985**		**14,342.6819**	**14,342.6819**	**0.7528**	**4.0800e-003**	**14,362.7180**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Energy	0.0144	0.1306	0.1097	7.8000e-004		9.9200e-003	9.9200e-003		9.9200e-003	9.9200e-003		156.7040	156.7040	3.0000e-003	2.8700e-003	157.6353
Mobile	4.1613	26.1548	36.7918	0.1297	7.9404	0.2729	8.2133	2.1386	0.2645	2.4031		13,689.6023	13,689.6023	0.6465		13,705.7646
Offroad	0.2587	2.3583	2.3357	3.0600e-003		0.1674	0.1674		0.1540	0.1540		296.0617	296.0617	0.0958		298.4555
Total	**11.5557**	**28.6442**	**39.2975**	**0.1335**	**7.9404**	**0.4504**	**8.3908**	**2.1386**	**0.4287**	**2.5673**		**14,142.4967**	**14,142.4967**	**0.7456**	**2.8700e-003**	**14,161.9926**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.17**	**0.80**	**0.85**	**1.19**	**1.12**	**1.55**	**1.15**	**1.12**	**1.59**	**1.20**	**0.00**	**1.40**	**1.40**	**0.96**	**29.66**	**1.40**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	6/12/2020	5	10	
2	Grading	Grading	6/13/2020	7/24/2020	5	30	
3	Building Construction	Building Construction	7/25/2020	9/17/2021	5	300	
4	Paving	Paving	6/18/2021	9/1/2021	5	54	
5	Architectural Coating	Architectural Coating	6/18/2021	9/1/2021	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 5.86

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 499,494; Non-Residential Outdoor: 166,498; Striped Parking Area: 14,349 (Architectural Coating – sqft)

OffRoad Equipment

Sierra and Casa Grande 5/27/2020 - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	239.00	94.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
Total	**0.0982**	**0.0631**	**0.8095**	**2.0400e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**203.4151**	**203.4151**	**6.2100e-003**		**203.5704**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**8.1298**	**0.0621**	**8.1919**	**4.4688**	**0.0621**	**4.5309**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.1855	1.3200e-003	0.1868	0.0495	1.2100e-003	0.0507		203.4151	203.4151	6.2100e-003		203.5704
Total	**0.0982**	**0.0631**	**0.8095**	**2.0400e-003**	**0.1855**	**1.3200e-003**	**0.1868**	**0.0495**	**1.2100e-003**	**0.0507**		**203.4151**	**203.4151**	**6.2100e-003**		**203.5704**

3.3 Grading - 2020

Unmitigated Construction On-Site

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

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0701	0.8995	2.2700e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		226.0168	226.0168	6.9000e-003		226.1893
Total	**0.1092**	**0.0701**	**0.8995**	**2.2700e-003**	**0.2236**	**1.4600e-003**	**0.2250**	**0.0593**	**1.3500e-003**	**0.0606**		**226.0168**	**226.0168**	**6.9000e-003**		**226.1893**

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**0.7616**	**3.3000**	**32.9991**	**0.0620**	**3.9030**	**0.1015**	**4.0045**	**1.6184**	**0.1015**	**1.7200**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0701	0.8995	2.2700e-003	0.2061	1.4600e-003	0.2075	0.0550	1.3500e-003	0.0563		226.0168	226.0168	6.9000e-003		226.1893
Total	**0.1092**	**0.0701**	**0.8995**	**2.2700e-003**	**0.2061**	**1.4600e-003**	**0.2075**	**0.0550**	**1.3500e-003**	**0.0563**		**226.0168**	**226.0168**	**6.9000e-003**		**226.1893**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

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

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2854	9.9197	1.9332	0.0255	0.6021	0.0457	0.6477	0.1734	0.0437	0.2170		2,689.3530	2,689.3530	0.1747		2,693.7201
Worker	1.3044	0.8372	10.7485	0.0271	2.6715	0.0175	2.6890	0.7085	0.0161	0.7246		2,700.9011	2,700.9011	0.0825		2,702.9624
Total	**1.5898**	**10.7569**	**12.6817**	**0.0526**	**3.2735**	**0.0632**	**3.3367**	**0.8818**	**0.0598**	**0.9416**		**5,390.2541**	**5,390.2541**	**0.2571**		**5,396.6824**

Mitigated Construction On-Site

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

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2854	9.9197	1.9332	0.0255	0.5635	0.0457	0.6091	0.1639	0.0437	0.2076		2,689.3530	2,689.3530	0.1747		2,693.7201
Worker	1.3044	0.8372	10.7485	0.0271	2.4624	0.0175	2.4799	0.6572	0.0161	0.6733		2,700.9011	2,700.9011	0.0825		2,702.9624
Total	**1.5898**	**10.7569**	**12.6817**	**0.0526**	**3.0259**	**0.0632**	**3.0891**	**0.8211**	**0.0598**	**0.8809**		**5,390.2541**	**5,390.2541**	**0.2571**		**5,396.6824**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2433	9.0651	1.7058	0.0254	0.6020	0.0155	0.6176	0.1734	0.0149	0.1882		2,675.1395	2,675.1395	0.1691		2,679.3659
Worker	1.2144	0.7506	9.8942	0.0263	2.6715	0.0171	2.6885	0.7085	0.0157	0.7242		2,614.8524	2,614.8524	0.0744		2,616.7130
Total	**1.4576**	**9.8157**	**11.6000**	**0.0516**	**3.2735**	**0.0326**	**3.3061**	**0.8818**	**0.0306**	**0.9124**		**5,289.9919**	**5,289.9919**	**0.2435**		**5,296.0789**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2433	9.0651	1.7058	0.0254	0.5635	0.0155	0.5790	0.1639	0.0149	0.1787		2,675.1395	2,675.1395	0.1691		2,679.3659
Worker	1.2144	0.7506	9.8942	0.0263	2.4624	0.0171	2.4795	0.6572	0.0157	0.6729		2,614.8524	2,614.8524	0.0744		2,616.7130
Total	**1.4576**	**9.8157**	**11.6000**	**0.0516**	**3.0259**	**0.0326**	**3.0585**	**0.8211**	**0.0306**	**0.8517**		**5,289.9919**	**5,289.9919**	**0.2435**		**5,296.0789**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2843					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5399**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2843					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5648**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1546**	**1.0700e-003**	**0.1556**	**0.0413**	**9.9000e-004**	**0.0422**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**29.4169**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2439	0.1508	1.9871	5.2700e-003	0.5365	3.4300e-003	0.5400	0.1423	3.1600e-003	0.1455		525.1587	525.1587	0.0150		525.5323
Total	**0.2439**	**0.1508**	**1.9871**	**5.2700e-003**	**0.5365**	**3.4300e-003**	**0.5400**	**0.1423**	**3.1600e-003**	**0.1455**		**525.1587**	**525.1587**	**0.0150**		**525.5323**

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	29.1980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**29.2277**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2439	0.1508	1.9871	5.2700e-003	0.4946	3.4300e-003	0.4980	0.1320	3.1600e-003	0.1352		525.1587	525.1587	0.0150		525.5323
Total	**0.2439**	**0.1508**	**1.9871**	**5.2700e-003**	**0.4946**	**3.4300e-003**	**0.4980**	**0.1320**	**3.1600e-003**	**0.1352**		**525.1587**	**525.1587**	**0.0150**		**525.5323**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	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	4.1613	26.1548	36.7918	0.1297	7.9404	0.2729	8.2133	2.1386	0.2645	2.4031		13,689.6023	13,689.6023	0.6465		13,705.7646
Unmitigated	4.1747	26.3314	37.0825	0.1309	8.0307	0.2758	8.3065	2.1629	0.2673	2.4302		13,823.9671	13,823.9671	0.6525		13,840.2785

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	579.01	579.01	579.01	3,704,926	3,663,269
Total	579.01	579.01	579.01	3,704,926	3,663,269

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	25.00	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.436242	0.037123	0.179649	0.119457	0.017229	0.034600	0.046400	0.123300	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0144	0.1306	0.1097	7.8000e-004		9.9200e-003	9.9200e-003		9.9200e-003	9.9200e-003		156.7040	156.7040	3.0000e-003	2.8700e-003	157.6353
NaturalGas Unmitigated	0.0204	0.1854	0.1558	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.5244	222.5244	4.2700e-003	4.0800e-003	223.8467

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	95.0685	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1845	11.1845	2.1000e-004	2.1000e-004	11.2510
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	1796.39	0.0194	0.1761	0.1479	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.3399	211.3399	4.0500e-003	3.8700e-003	212.5957
Total		**0.0204**	**0.1854**	**0.1558**	**1.1200e-003**		**0.0141**	**0.0141**		**0.0141**	**0.0141**		**222.5244**	**222.5244**	**4.2600e-003**	**4.0800e-003**	**223.8467**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0665479	7.2000e-004	6.5200e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.8292	7.8292	1.5000e-004	1.4000e-004	7.8757
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	1.26544	0.0137	0.1241	0.1042	7.4000e-004		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003		148.8749	148.8749	2.8500e-003	2.7300e-003	149.7596
Total		**0.0144**	**0.1306**	**0.1097**	**7.8000e-004**		**9.9300e-003**	**9.9300e-003**		**9.9300e-003**	**9.9300e-003**		**156.7040**	**156.7040**	**3.0000e-003**	**2.8700e-003**	**157.6353**

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	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Unmitigated	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373

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	0.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6837					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6300e-003	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Total	**7.1213**	**5.5000e-004**	**0.0603**	**0.0000**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**		**0.1287**	**0.1287**	**3.4000e-004**		**0.1373**

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	0.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6837					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6300e-003	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Total	**7.1213**	**5.5000e-004**	**0.0603**	**0.0000**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**		**0.1287**	**0.1287**	**3.4000e-004**		**0.1373**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	8.00	260	89	0.20	Electrical

UnMitigated/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
Equipment Type	lb/day										lb/day					
Forklifts	0.2587	2.3583	2.3357	3.0600e-003		0.1674	0.1674		0.1540	0.1540		296.0617	296.0617	0.0958		298.4555
Total	**0.2587**	**2.3583**	**2.3357**	**3.0600e-003**		**0.1674**	**0.1674**		**0.1540**	**0.1540**		**296.0617**	**296.0617**	**0.0958**		**298.4555**

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

Sierra and Casa Grande 5/27/2020

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.11	10,000.00	0
Unrefrigerated Warehouse-No Rail	323.00	1000sqft	7.41	322,996.00	0
Parking Lot	239.15	1000sqft	5.49	239,148.00	0
Other Asphalt Surfaces	16.06	1000sqft	0.37	16,056.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra and Casa Grande 5/27/2020 - San Bernardino-South Coast County, Winter

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - Warehouse 322,996 SF + Office 10,000 SF = 332,996 SF. Not refrigerated - Building Footprint Area = 327,996 SF (5,000 SF mezzanine)
Total Parking Area including drive aisles = 239,148 SF, other surface = offsite improvements

Construction Phase - Using default construction schedule, except assume paving and painting will occur during Construction

Trips and VMT -

Grading - no import/export data available at this time

Architectural Coating - Low VOC Paint

Vehicle Trips - Based on traffic study: 579 ADT, trip rate: 579/322.996= 1.7925918587227086403546793149141

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Area Coating - Low VOC paint

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - use low-flow fixtures

Waste Mitigation - AB 939 - divert atleast 50% of solid waste from landfills

Operational Off-Road Equipment - Assume 2 forklifts for building

Fleet Mix - Fleet Mix based on Traffic Study

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	54.00
tblConstructionPhase	NumDays	20.00	54.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.44
tblFleetMix	LHD2	5.2670e-003	0.03
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblLandUse	LandUseSquareFeet	323,000.00	322,996.00
tblLandUse	LandUseSquareFeet	239,150.00	239,148.00
tblLandUse	LotAcreage	0.23	0.11
tblLandUse	LotAcreage	7.42	7.41
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	56.78

tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	1.3630e-003
tblVehicleEF	HHD	6,983.95	11,131.44
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	61.71
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	3.8000e-005
tblVehicleEF	HHD	3.4490e-003	6.0000e-005
tblVehicleEF	HHD	0.89	4.44
tblVehicleEF	HHD	5.7000e-005	2.2000e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	3.8000e-005
tblVehicleEF	HHD	3.4490e-003	6.0000e-005
tblVehicleEF	HHD	1.02	5.09
tblVehicleEF	HHD	5.7000e-005	2.2000e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	HHD	1.17	0.25
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tblVehicleEF	HHD	28.97	60.22
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tblVehicleEF	HHD	0.01	0.08
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	7.5000e-005
tblVehicleEF	HHD	3.9090e-003	6.9000e-005
tblVehicleEF	HHD	0.84	4.62
tblVehicleEF	HHD	1.2900e-004	5.0000e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4800e-004	3.0700e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	7.5000e-005
tblVehicleEF	HHD	3.9090e-003	6.9000e-005
tblVehicleEF	HHD	0.97	5.29
tblVehicleEF	HHD	1.2900e-004	5.0000e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4800e-004	3.0700e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.34	0.23
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	58.80
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.89	1.3520e-003
tblVehicleEF	HHD	6,415.00	11,145.04

tblVehicleEF	HHD	1,493.95	1,530.36
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tblVehicleEF	HHD	2.83	3.98
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.02	0.10
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	0.00
tblVehicleEF	HHD	0.02	0.09
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.1000e-005
tblVehicleEF	HHD	3.7830e-003	7.1000e-005
tblVehicleEF	HHD	0.96	4.20
tblVehicleEF	HHD	5.6000e-005	2.4000e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.5900e-004	3.1300e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.1000e-005
tblVehicleEF	HHD	3.7830e-003	7.1000e-005

tblVehicleEF	HHD	1.10	4.81
tblVehicleEF	HHD	5.6000e-005	2.4000e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	3.1300e-004
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18
tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.44
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.20
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9440e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7870e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.11	0.11

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82
tblVehicleEF	LDA	59.28	54.78
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9440e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7870e-003
tblVehicleEF	LDA	0.10	0.57
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.57
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.45
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9440e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7870e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
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tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.66
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93

tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
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tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	1.26
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44

tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.63
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003

tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.82
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.50
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07

tblVehicleEF	LDT2	1.04	1.31
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tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
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tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0900e-004
tblVehicleEF	LDT2	0.14	0.89
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tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
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tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05

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tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LDT2	8.5100e-004	7.1800e-004
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tblVehicleEF	LDT2	0.15	0.17
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tblVehicleEF	LHD1	0.15	2.43

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tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
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tblVehicleEF	LHD1	0.09	1.08
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tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
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tblVehicleEF	LHD1	3.6200e-004	1.0200e-004
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tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	2.43
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tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	10.18
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	7.5090e-003	0.08

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tblVehicleEF	LHD1	0.02	0.30
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tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07
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tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
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tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.26
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.22	1.36

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tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.0200e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD2	3.8190e-003	0.05

tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.20
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
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tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003

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tblVehicleEF	LHD2	2.7300e-004	7.6000e-005
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
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tblVehicleEF	LHD2	8.7380e-003	9.1370e-003
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tblVehicleEF	LHD2	614.63	675.55
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tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003

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tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	9.4560e-003
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tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.60
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tblVehicleEF	LHD2	614.63	675.54

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tblVehicleEF	LHD2	0.55	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07

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tblVehicleEF	LHD2	0.13	0.05
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tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
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tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88

tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
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tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
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tblVehicleEF	MCY	3.14	5.54
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tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83

tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	3.14
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tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86

tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
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tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
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tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8700e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51

tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
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tblVehicleEF	MDV	1.87	1.54
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tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7600e-004
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45

tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
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tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
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tblVehicleEF	MDV	1.1700e-003	8.8700e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
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tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9100e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.44	0.11

tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
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tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8800e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59

tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
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tblVehicleEF	MH	59.91	19.27
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9100e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10

tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.36
tblVehicleEF	MHD	155.10	780.82
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99
tblVehicleEF	MHD	0.63	6.91
tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	4.1800e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	1.4330e-003	4.5970e-003
tblVehicleEF	MHD	0.05	7.3280e-003
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3840e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02

tblVehicleEF	MHD	1.4910e-003	7.3950e-003
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4400e-004	3.0000e-005
tblVehicleEF	MHD	1.4330e-003	4.5970e-003
tblVehicleEF	MHD	0.05	7.3280e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3840e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	2.9710e-003
tblVehicleEF	MHD	0.24	2.72
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
tblVehicleEF	MHD	164.29	793.74
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	2.96
tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.06

tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	2.8480e-003	8.4260e-003
tblVehicleEF	MHD	0.05	8.5070e-003
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	1.6690e-003	4.8010e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	7.5180e-003
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.3800e-004	2.9000e-005
tblVehicleEF	MHD	2.8480e-003	8.4260e-003
tblVehicleEF	MHD	0.05	8.5070e-003
tblVehicleEF	MHD	0.03	0.22
tblVehicleEF	MHD	1.6690e-003	4.8010e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.1530e-003	5.9780e-003
tblVehicleEF	MHD	0.06	3.0730e-003
tblVehicleEF	MHD	0.46	3.91
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.36
tblVehicleEF	MHD	142.41	762.95
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99

tblVehicleEF	MHD	0.60	6.81
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38
tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	1.5800e-003	4.8400e-003
tblVehicleEF	MHD	0.05	8.2350e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4390e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	7.2250e-003
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	3.0000e-005
tblVehicleEF	MHD	1.5800e-003	4.8400e-003
tblVehicleEF	MHD	0.05	8.2350e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4390e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	0.13

tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	9.46
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	1.67
tblVehicleEF	OBUS	70.21	1,555.56
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.32	9.92
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.99
tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	1.0800e-004	0.04
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	1.3700e-004

tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	8.98
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	1.56
tblVehicleEF	OBUS	73.34	1,565.29
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	9.1000e-005	0.03
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.39	0.08
tblVehicleEF	OBUS	7.1200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	1.3500e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	10.12
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	1.68
tblVehicleEF	OBUS	65.88	1,542.13
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.31	9.95
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99

tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.4100e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	1.3700e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.64	28.74

tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	2.56
tblVehicleEF	SBUS	1,270.71	3,328.19
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.78
tblVehicleEF	SBUS	12.46	30.54
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.3130e-003	7.4840e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4600e-004
tblVehicleEF	SBUS	3.0740e-003	0.02

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.3130e-003	7.4840e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.48	28.38
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	1.85
tblVehicleEF	SBUS	1,335.64	3,405.36
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	13.61
tblVehicleEF	SBUS	12.86	31.23
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.76
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	5.9210e-003	0.03

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.35
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.23	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3500e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.96	4.83
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42

tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7230e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4800e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7230e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45

tblVehicleEF	UBUS	0.09	9.2990e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	3.8760e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2710e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.0600e-004
tblVehicleEF	UBUS	8.4220e-003	3.8760e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2710e-003
tblVehicleEF	UBUS	2.68	4.54

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4410e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	7.1140e-003
tblVehicleEF	UBUS	0.15	8.7360e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.0400e-004
tblVehicleEF	UBUS	0.02	7.1140e-003

tblVehicleEF	UBUS	0.15	8.7360e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3770e-003
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	4.0000e-003
tblVehicleEF	UBUS	0.15	8.2160e-003
tblVehicleEF	UBUS	4.2700e-003	2.3060e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03

tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.0600e-004
tblVehicleEF	UBUS	9.6690e-003	4.0000e-003
tblVehicleEF	UBUS	0.15	8.2160e-003
tblVehicleEF	UBUS	4.2700e-003	2.3060e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CW_TL	16.60	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.79
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.79
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.79

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5593	50.2712	32.6975	0.0758	18.2675	2.1987	20.4662	9.9840	2.0228	12.0069	0.0000	7,560.9261	7,560.9261	1.9485	0.0000	7,583.1341
2021	34.6535	41.8442	45.2959	0.1068	3.9777	1.7680	5.7457	1.0686	1.6540	2.7226	0.0000	10,577.3760	10,577.3760	1.6191	0.0000	10,617.8529
Maximum	**34.6535**	**50.2712**	**45.2959**	**0.1068**	**18.2675**	**2.1987**	**20.4662**	**9.9840**	**2.0228**	**12.0069**	**0.0000**	**10,577.3760**	**10,577.3760**	**1.9485**	**0.0000**	**10,617.8529**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.9339	12.9549	33.7384	0.0758	8.3153	0.1045	8.3787	4.5183	0.1029	4.5816	0.0000	7,560.9261	7,560.9261	1.9485	0.0000	7,583.1341
2021	31.9162	13.5451	48.8383	0.1068	3.6750	0.1197	3.7947	0.9943	0.1173	1.1116	0.0000	10,577.3760	10,577.3760	1.6191	0.0000	10,617.8529
Maximum	**31.9162**	**13.5451**	**48.8383**	**0.1068**	**8.3153**	**0.1197**	**8.3787**	**4.5183**	**0.1173**	**4.5816**	**0.0000**	**10,577.3760**	**10,577.3760**	**1.9485**	**0.0000**	**10,617.8529**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**13.68**	**71.23**	**-5.88**	**0.00**	**46.10**	**94.35**	**53.56**	**50.12**	**94.01**	**61.35**	**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	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Energy	0.0204	0.1854	0.1558	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.5244	222.5244	4.2700e-003	4.0800e-003	223.8467
Mobile	3.4953	27.6238	34.1674	0.1263	8.0307	0.2787	8.3094	2.1629	0.2695	2.4324		13,354.9454	13,354.9454	0.6489		13,371.1689
Offroad	0.2587	2.3583	2.3357	3.0600e-003		0.1674	0.1674		0.1540	0.1540		296.0617	296.0617	0.0958		298.4555
Total	**10.8957**	**30.1680**	**36.7191**	**0.1305**	**8.0307**	**0.4604**	**8.4911**	**2.1629**	**0.4378**	**2.6008**		**13,873.6602**	**13,873.6602**	**0.7493**	**4.0800e-003**	**13,893.6083**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Energy	0.0144	0.1306	0.1097	7.8000e-004		9.9200e-003	9.9200e-003		9.9200e-003	9.9200e-003		156.7040	156.7040	3.0000e-003	2.8700e-003	157.6353
Mobile	3.4824	27.4390	33.9211	0.1251	7.9404	0.2758	8.2162	2.1386	0.2667	2.4054		13,225.8843	13,225.8843	0.6431		13,241.9615
Offroad	0.2587	2.3583	2.3357	3.0600e-003		0.1674	0.1674		0.1540	0.1540		296.0617	296.0617	0.0958		298.4555
Total	**10.8767**	**29.9284**	**36.4268**	**0.1289**	**7.9404**	**0.4533**	**8.3937**	**2.1386**	**0.4309**	**2.5695**		**13,678.7787**	**13,678.7787**	**0.7422**	**2.8700e-003**	**13,698.1895**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.17**	**0.79**	**0.80**	**1.19**	**1.12**	**1.54**	**1.15**	**1.12**	**1.59**	**1.20**	**0.00**	**1.40**	**1.40**	**0.95**	**29.66**	**1.41**

3.0 Construction Detail

Construction Phase

Sierra and Casa Grande 5/27/2020 - San Bernardino-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	6/12/2020	5	10	
2	Grading	Grading	6/13/2020	7/24/2020	5	30	
3	Building Construction	Building Construction	7/25/2020	9/17/2021	5	300	
4	Paving	Paving	6/18/2021	9/1/2021	5	54	
5	Architectural Coating	Architectural Coating	6/18/2021	9/1/2021	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 5.86

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 499,494; Non-Residential Outdoor: 166,498; Striped Parking Area: 14,349 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	239.00	94.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
Total	**0.0983**	**0.0663**	**0.6653**	**1.8300e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**182.4750**	**182.4750**	**5.4500e-003**		**182.6112**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**8.1298**	**0.0621**	**8.1919**	**4.4688**	**0.0621**	**4.5309**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.1855	1.3200e-003	0.1868	0.0495	1.2100e-003	0.0507		182.4750	182.4750	5.4500e-003		182.6112
Total	**0.0983**	**0.0663**	**0.6653**	**1.8300e-003**	**0.1855**	**1.3200e-003**	**0.1868**	**0.0495**	**1.2100e-003**	**0.0507**		**182.4750**	**182.4750**	**5.4500e-003**		**182.6112**

3.3 Grading - 2020

Unmitigated Construction On-Site

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

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0737	0.7393	2.0400e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		202.7500	202.7500	6.0500e-003		202.9013
Total	**0.1092**	**0.0737**	**0.7393**	**2.0400e-003**	**0.2236**	**1.4600e-003**	**0.2250**	**0.0593**	**1.3500e-003**	**0.0606**		**202.7500**	**202.7500**	**6.0500e-003**		**202.9013**

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**0.7616**	**3.3000**	**32.9991**	**0.0620**	**3.9030**	**0.1015**	**4.0045**	**1.6184**	**0.1015**	**1.7200**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0737	0.7393	2.0400e-003	0.2061	1.4600e-003	0.2075	0.0550	1.3500e-003	0.0563		202.7500	202.7500	6.0500e-003		202.9013
Total	**0.1092**	**0.0737**	**0.7393**	**2.0400e-003**	**0.2061**	**1.4600e-003**	**0.2075**	**0.0550**	**1.3500e-003**	**0.0563**		**202.7500**	**202.7500**	**6.0500e-003**		**202.9013**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

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

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3010	9.8393	2.2406	0.0245	0.6021	0.0462	0.6483	0.1734	0.0442	0.2176		2,585.0010	2,585.0010	0.1931		2,589.8294
Worker	1.3051	0.8809	8.8340	0.0243	2.6715	0.0175	2.6890	0.7085	0.0161	0.7246		2,422.8620	2,422.8620	0.0723		2,424.6702
Total	**1.6061**	**10.7202**	**11.0746**	**0.0489**	**3.2735**	**0.0637**	**3.3372**	**0.8818**	**0.0603**	**0.9422**		**5,007.8630**	**5,007.8630**	**0.2655**		**5,014.4996**

Mitigated Construction On-Site

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

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3010	9.8393	2.2406	0.0245	0.5635	0.0462	0.6097	0.1639	0.0442	0.2081		2,585.0010	2,585.0010	0.1931		2,589.8294
Worker	1.3051	0.8809	8.8340	0.0243	2.4624	0.0175	2.4799	0.6572	0.0161	0.6733		2,422.8620	2,422.8620	0.0723		2,424.6702
Total	**1.6061**	**10.7202**	**11.0746**	**0.0489**	**3.0259**	**0.0637**	**3.0896**	**0.8211**	**0.0603**	**0.8814**		**5,007.8630**	**5,007.8630**	**0.2655**		**5,014.4996**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2580	8.9686	1.9953	0.0244	0.6020	0.0160	0.6180	0.1734	0.0153	0.1886		2,571.2302	2,571.2302	0.1874		2,575.9148
Worker	1.2170	0.7895	8.1154	0.0236	2.6715	0.0171	2.6885	0.7085	0.0157	0.7242		2,345.7794	2,345.7794	0.0653		2,347.4118
Total	**1.4751**	**9.7581**	**10.1107**	**0.0479**	**3.2735**	**0.0331**	**3.3066**	**0.8818**	**0.0310**	**0.9129**		**4,917.0097**	**4,917.0097**	**0.2527**		**4,923.3266**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2580	8.9686	1.9953	0.0244	0.5635	0.0160	0.5794	0.1639	0.0153	0.1792		2,571.2302	2,571.2302	0.1874		2,575.9148
Worker	1.2170	0.7895	8.1154	0.0236	2.4624	0.0171	2.4795	0.6572	0.0157	0.6729		2,345.7794	2,345.7794	0.0653		2,347.4118
Total	**1.4751**	**9.7581**	**10.1107**	**0.0479**	**3.0259**	**0.0331**	**3.0590**	**0.8211**	**0.0310**	**0.8521**		**4,917.0097**	**4,917.0097**	**0.2527**		**4,923.3266**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2843					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5399**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2843					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5648**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1546**	**1.0700e-003**	**0.1556**	**0.0413**	**9.9000e-004**	**0.0422**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**29.4169**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2444	0.1586	1.6299	4.7300e-003	0.5365	3.4300e-003	0.5400	0.1423	3.1600e-003	0.1455		471.1189	471.1189	0.0131		471.4467
Total	**0.2444**	**0.1586**	**1.6299**	**4.7300e-003**	**0.5365**	**3.4300e-003**	**0.5400**	**0.1423**	**3.1600e-003**	**0.1455**		**471.1189**	**471.1189**	**0.0131**		**471.4467**

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	29.1980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**29.2277**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2444	0.1586	1.6299	4.7300e-003	0.4946	3.4300e-003	0.4980	0.1320	3.1600e-003	0.1352		471.1189	471.1189	0.0131		471.4467
Total	**0.2444**	**0.1586**	**1.6299**	**4.7300e-003**	**0.4946**	**3.4300e-003**	**0.4980**	**0.1320**	**3.1600e-003**	**0.1352**		**471.1189**	**471.1189**	**0.0131**		**471.4467**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	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	3.4824	27.4390	33.9211	0.1251	7.9404	0.2758	8.2162	2.1386	0.2667	2.4054		13,225.8843	13,225.8843	0.6431		13,241.9615
Unmitigated	3.4953	27.6238	34.1674	0.1263	8.0307	0.2787	8.3094	2.1629	0.2695	2.4324		13,354.9454	13,354.9454	0.6489		13,371.1689

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	579.01	579.01	579.01	3,704,926	3,663,269
Total	579.01	579.01	579.01	3,704,926	3,663,269

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	25.00	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.436242	0.037123	0.179649	0.119457	0.017229	0.034600	0.046400	0.123300	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0144	0.1306	0.1097	7.8000e-004		9.9200e-003	9.9200e-003		9.9200e-003	9.9200e-003		156.7040	156.7040	3.0000e-003	2.8700e-003	157.6353
NaturalGas Unmitigated	0.0204	0.1854	0.1558	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.5244	222.5244	4.2700e-003	4.0800e-003	223.8467

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	95.0685	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1845	11.1845	2.1000e-004	2.1000e-004	11.2510
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	1796.39	0.0194	0.1761	0.1479	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.3399	211.3399	4.0500e-003	3.8700e-003	212.5957
Total		**0.0204**	**0.1854**	**0.1558**	**1.1200e-003**		**0.0141**	**0.0141**		**0.0141**	**0.0141**		**222.5244**	**222.5244**	**4.2600e-003**	**4.0800e-003**	**223.8467**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0665479	7.2000e-004	6.5200e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004		7.8292	7.8292	1.5000e-004	1.4000e-004	7.8757
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	1.26544	0.0137	0.1241	0.1042	7.4000e-004		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003		148.8749	148.8749	2.8500e-003	2.7300e-003	149.7596
Total		**0.0144**	**0.1306**	**0.1097**	**7.8000e-004**		**9.9300e-003**	**9.9300e-003**		**9.9300e-003**	**9.9300e-003**		**156.7040**	**156.7040**	**3.0000e-003**	**2.8700e-003**	**157.6353**

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	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Unmitigated	7.1213	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373

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	0.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6837					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6300e-003	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Total	**7.1213**	**5.5000e-004**	**0.0603**	**0.0000**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**		**0.1287**	**0.1287**	**3.4000e-004**		**0.1373**

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	0.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6837					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6300e-003	5.5000e-004	0.0603	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1287	0.1287	3.4000e-004		0.1373
Total	**7.1213**	**5.5000e-004**	**0.0603**	**0.0000**		**2.2000e-004**	**2.2000e-004**		**2.2000e-004**	**2.2000e-004**		**0.1287**	**0.1287**	**3.4000e-004**		**0.1373**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	8.00	260	89	0.20	Electrical

UnMitigated/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
Equipment Type	lb/day										lb/day					
Forklifts	0.2587	2.3583	2.3357	3.0600e-003		0.1674	0.1674		0.1540	0.1540		296.0617	296.0617	0.0958		298.4555
Total	**0.2587**	**2.3583**	**2.3357**	**3.0600e-003**		**0.1674**	**0.1674**		**0.1540**	**0.1540**		**296.0617**	**296.0617**	**0.0958**		**298.4555**

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

Greenhouse Gas Emissions Assessment
Sierra Avenue and Casa Grande Warehouse Project
City of Fontana, California

Prepared by:

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APPENDIX
Appendix A: Greenhouse Gas Emissions Data

LIST OF ABBREVIATED TERMS

AB	Assembly Bill
CARB	California Air Resource Board
CCR	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CALGreen Code	California Green Building Standards Code
CPUC	California Public Utilities Commission
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CFC	Chlorofluorocarbon
CPP	Clean Power Plan
CCSP	Climate Change Scoping Plan
cy	cubic yard
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
FR	Federal Register
GHG	greenhouse gas
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
LCFS	Low Carbon Fuel Standard
CH_4	Methane
$MMTCO_2e$	million metric tons of carbon dioxide equivalent
$MTCO_2e$	million tons of carbon dioxide equivalent
NHTSA	National Highway Traffic Safety Administration
NF_3	nitrogen trifluoride
N_2O	nitrous oxide
PFC	Perfluorocarbon
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Government
Sf	square foot
SF_6	sulfur hexafluoride
TAC	toxic air contaminants

1 INTRODUCTION

This report documents the results of a Greenhouse Gas (GHG) Emissions Assessment completed for the Sierra Avenue and Casa Grande Warehouse Project ("Project" or "Proposed Project"). The purpose of this GHG Emissions Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

1.1 PROJECT LOCATION AND SETTING

The propose warehouse site is located in the northeastern portion of the City of Fontana (City); approximately 330 feet west of the City border as shown in Exhibit 1: *Regional Vicinity*. The warehouse site consists of three connected parcels on the northeast corner of the Sierra Avenue and Casa Grande Drive intersection; refer to Exhibit 2: *Local Vicinity*. Regional access would be available to the site via transportation routes including State Route 210 and Interstate Highway I-15. The State Route 210 entrance and exit is located approximately 1.5 miles south of the proposed Project via Sierra Avenue. The Interstate Highway I-15 entrance and exit is located approximately 1.6 miles north of the proposed Project via Sierra Avenue.

The warehouse site is a rectangular lot, mostly vacant, and unimproved site on approximately 16.5-gross acres (15.34-net acres) or approximately 661,561-square feet; refer to Exhibit 2**.** The northwest corner of the property is occupied by a single-family residence, while the remaining portion of the property is undeveloped land covered with natural vegetation, including two trees on the west side of the site. A concrete foundation from a former house remains on the site. Additionally, there is debris consisting of mostly rocks, dirt, tires, and an old domestic sprinkler hose. The property is zoned R-5 and R-MU for single-family residential and regional-mixed use commercial development by the City of Fontana, respectively.

1.2 PROJECT DESCRIPTION

The proposed Project involves the development of a 332,996-square feet distribution warehouse building within the approximate 16.5-gross acre (15.34-net acre) warehouse site. The warehouse would have associated facilities and improvements such as a guard booth, mezzanine (5,000-square feet), vehicle parking, loading dock doors, trailer parking, onsite and off-site landscaping, and onsite and off-site improvements; Refer to Exhibit 3**:** *Conceptual Site Plan*.

Landscaping

Onsite landscaping would be provided on the Project site. Approximately twenty-five to sixty-foot-wide landscaped buffers would be provided along the south and west boundaries and a thirty-foot-wide buffer along the northern boundary.

Project Circulation

Regional Project access would be from Interstate 215 (I-215) and State Route 210 (SR-210) via the officially designated local truck route[1] Sierra Avenue. Local access would be provided via Casa Grande Drive. Project

[1] City of Fontana, *Local Truck Route – Ordinance No. 1273*, https://www.fontana.org/DocumentCenter/View/3971/Local-Truck-Routes-2017-11x17?bidId=, accessed March 11, 2020.

site ingress and egress would be via four driveways; two approximately thirty-foot driveways on Sierra Avenue and two approximately forty-foot driveways on Casa Grande Drive.

Parking

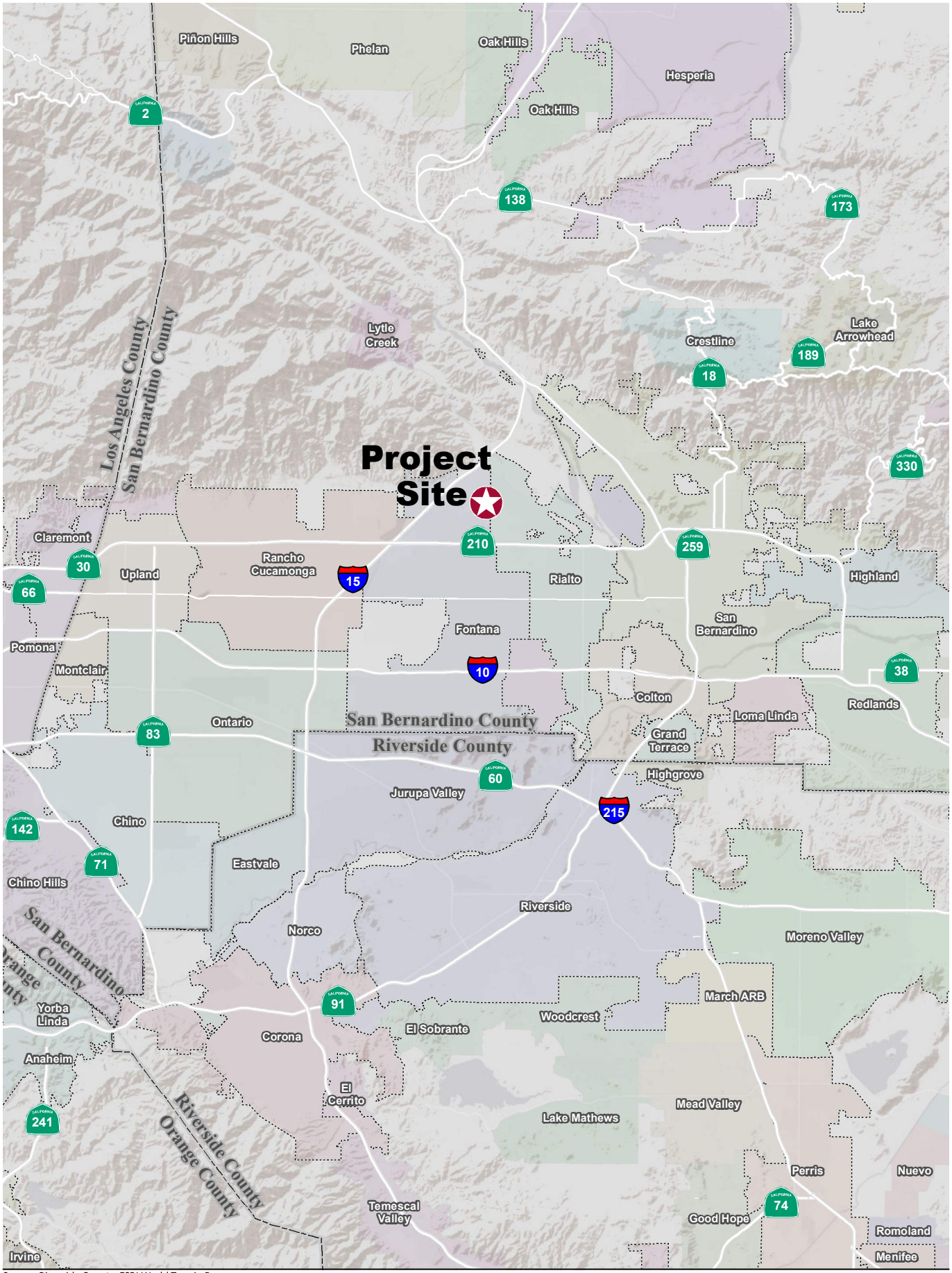
The Project would provide 134 parking stalls, 67 trailers stalls, and 35 dock doors.

Project Phasing and Construction

The Project is anticipated to be developed in one phase. Should the Project be approved, construction is anticipated to occur over a duration of approximately 15 months, commencing in the second half of 2020; the facility would be operational in late 2021.

Offsite Improvements

The Project will be responsible for approximately eighteen feet beyond the property line on Casa Grande Drive. Additionally, the Project would improve Sierra Avenue and Casa Grande Drive with approved curb, gutter, and lighting.



Source: Riverside County, ESRI World Terrain Base

\\orafp01\CA_ORA\ORA_AQN\094940115 - Fontana Sierra and Casa Grande EIR\2 Exhibits\GIS\01 Regional Location.mxd

EXHIBIT 1: Regional Vicinity

Sierra Avenue and Casa Grande Warehouse Project

0 2.5 5 Miles

Kimley»Horn

Source: ESRI World Imagery

\\orafp01\CA_ORA\ORA_AQN\094940115 - Fontana Sierra and Casa Grande EIR\2 Exhibits\GIS\02 Site Vicinity.mxd

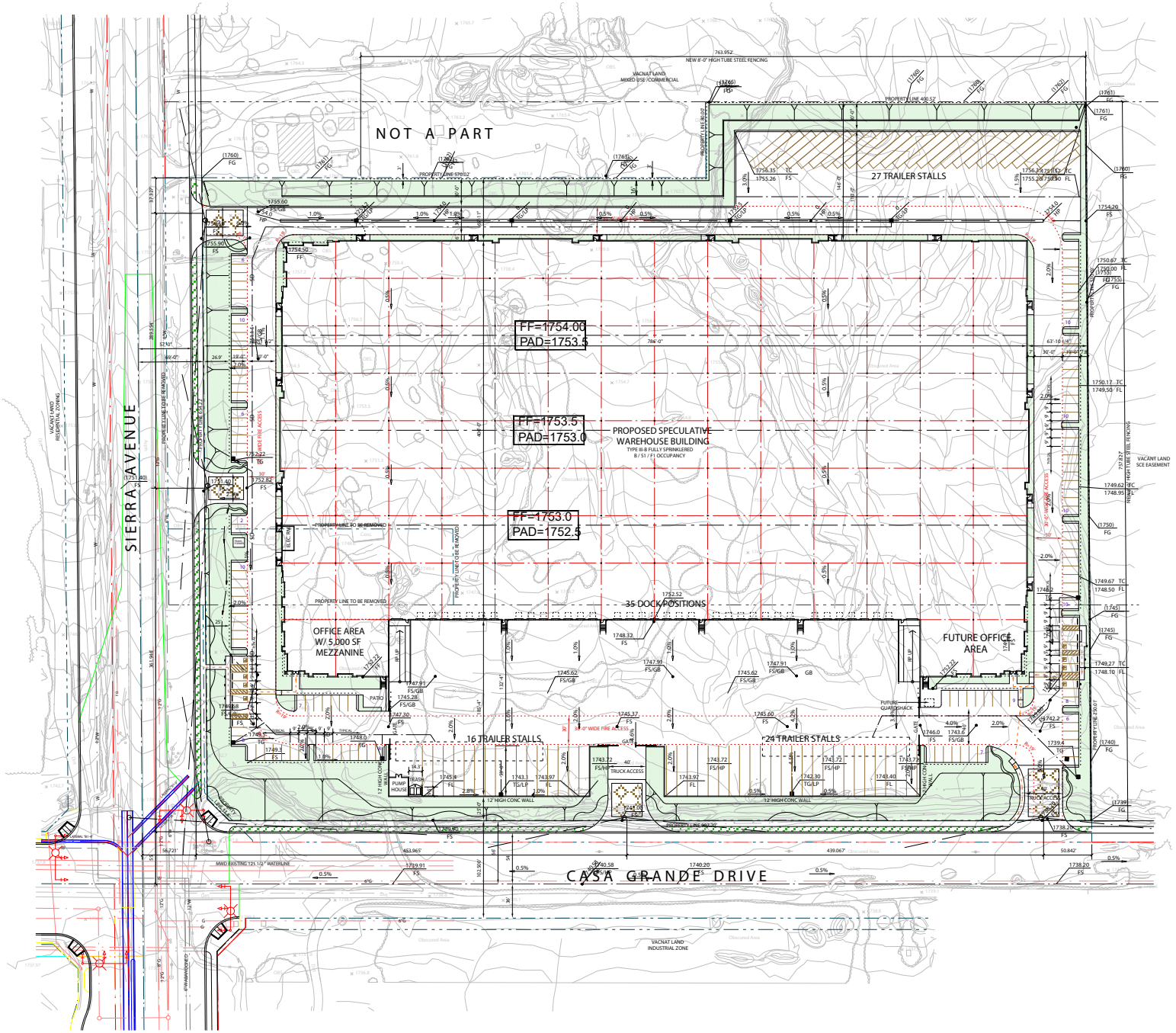
EXHIBIT 2: Site Vicinity

Sierra Avenue and Casa Grande Warehouse Project

0 250 500

Feet

Kimley»Horn



Source: RGA Office of Architectural Design

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EXHIBIT 3: Conceptual Site Plan

Sierra Avenue and Casa Grande Warehouse Project

Not to Scale

Kimley»Horn

2 ENVIRONMENTAL SETTING

2.1 GREENHOUSE GASES AND CLIMATE CHANGE

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO_2 is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO_2 emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO_2 emissions remains stored in the atmosphere.[3] Table 1: Description of Greenhouse Gases describes the primary GHGs attributed to global climate change, including their physical properties.

[3] Intergovernmental Panel on Climate Change, *Carbon and Other Biogeochemical Cycles. In: Climate Change 2013: The Physical Science Basis*, *Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. http://www.climatechange2013.org/ images/report/WG1AR5_ALL_FINAL.pdf.

Table 1: Description of Greenhouse Gases

Greenhouse Gas	Description
Carbon Dioxide (CO_2)	CO_2 is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO_2 is variable because it is readily exchanged in the atmosphere. CO_2 is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N_2O)	N_2O is largely attributable to agricultural practices and soil management. Primary human-related sources of N_2O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N_2O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 120 years. The Global Warming Potential of N_2O is 298.
Methane (CH_4)	CH_4, a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, about 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH_4 include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH_4 is about 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF_6)	SF_6 is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF_6 is 23,900.
Hydrochlorofluorocarbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF_3)	NF_3 was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.

Source: Compiled from U.S. EPA, *Overview of Greenhouse Gases*, April 11, 2018 (https://www.epa.gov/ghgemissions/overview-greenhouse-gases); U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018; Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007; National Research Council, Advancing the Science of Climate Change, 2010; U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, April 2010.

3 REGULATORY SETTING

3.1 FEDERAL

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

U.S. Environmental Protection Agency Endangerment Finding

The U.S. Environmental Protection Agency (EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, the EPA finalized an endangerment finding in December 2009. Based on scientific evidence it found that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6) constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the EPA's assessment of the scientific evidence that form the basis for the EPA's regulatory actions.

Federal Vehicle Standards

In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks. It should be noted that the U.S. EPA is currently proposing to freeze the vehicle fuel efficiency standards at their planned 2020 level (37 mpg), canceling any future strengthening (currently 54.5 mpg by 2026).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program.

Clean Power Plan and New Source Performance Standards for Electric Generating Units

On October 23, 2015, the EPA published a final rule (effective December 22, 2015) establishing the carbon pollution emission guidelines for existing stationary sources: electric utility generating units (80 Federal Register [FR] 64510–64660), also known as the Clean Power Plan (CPP). These guidelines prescribe how states must develop plans to reduce GHG emissions from existing fossil-fuel-fired electric generating units. The guidelines establish CO_2 emission performance rates representing the best system of emission reduction for two subcategories of existing fossil-fuel-fired electric generating units: one fossil-fuel-fired electric utility steam-generating unit and two stationary combustion turbines. Concurrently, the EPA published a final rule (effective October 23, 2015) establishing standards of performance for GHG emissions from new, modified, and reconstructed stationary sources: electric utility generating units (80 FR 64661–65120). The rule prescribes CO_2 emission standards for newly constructed, modified, and reconstructed affected fossil-fuel-fired electric utility generating units. The U.S. Supreme Court stayed implementation of the CPP pending resolution of several lawsuits. Additionally, in March 2017, the federal government directed the EPA Administrator to review the CPP to determine whether it is consistent with current executive policies concerning GHG emissions, climate change, and energy.

Presidential Executive Order 13783

Presidential Executive Order 13783, *Promoting Energy Independence and Economic Growth* issued on March 28, 2017, orders all federal agencies to apply cost-benefit analyses to regulations of GHG emissions and evaluations of the social cost of CO_2, N_2O, and CH_4.

3.2 STATE OF CALIFORNIA

California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California's contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO_2 equivalents (CO_2e) in the world and produced 459 million gross metric tons of CO_2e in 2013. In the State, the transportation sector is the largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark Assembly Bill (AB) 32, *California Global Warming Solutions Act of 2006*, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major provisions of the legislation.

Assembly Bill 32 (California Global Warming Solutions Act of 2006)

AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

CARB Scoping Plan

CARB adopted the Scoping Plan to achieve the goals of AB 32. The Scoping Plan establishes an overall framework for the measures that would be adopted to reduce California's GHG emissions. CARB determined that achieving the 1990 emissions level would require a reduction of GHG emissions of approximately 29 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as "business-as-usual").[4] The Scoping Plan evaluates opportunities for sector-specific reductions, integrates early actions and additional GHG reduction measures by both CARB and the State's Climate Action Team, identifies additional measures to be pursued as regulations, and outlines

[4] CARB defines business-as-usual (BAU) in its Scoping Plan as emissions levels that would occur if California continued to grow and add new GHG emissions but did not adopt any measures to reduce emissions. Projections for each emission-generating sector were compiled and used to estimate emissions for 2020 based on 2002–2004 emissions intensities. Under CARB's definition of BAU, new growth is assumed to have the same carbon intensities as was typical from 2002 through 2004.

the adopted role of a cap-and-trade program.[5] Additional development of these measures and adoption of the appropriate regulations occurred through the end of 2013. Key elements of the Scoping Plan include:

- Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent by 2020.
- Developing a California cap-and-trade program that links with other programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions (adopted in 2011).
- Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets (several sustainable community strategies have been adopted).
- Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, heavy-duty truck measures, the Low Carbon Fuel Standard (amendments to the Pavley Standard adopted 2009; Advanced Clean Car standard adopted 2012), goods movement measures, and the Low Carbon Fuel Standard (adopted 2009).
- Creating targeted fees, including a public goods charge on water use, fees on gasses with high global warming potential, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

In 2012, CARB released revised estimates of the expected 2020 emissions reductions. The revised analysis relied on emissions projections updated in light of current economic forecasts that accounted for the economic downturn since 2008, reduction measures already approved and put in place relating to future fuel and energy demand, and other factors. This update reduced the projected 2020 emissions from 596 million metric tons of CO_2e ($MMTCO_2e$) to 545 $MMTCO_2e$. The reduction in forecasted 2020 emissions means that the revised business-as-usual reduction necessary to achieve AB 32's goal of reaching 1990 levels by 2020 is now 21.7 percent, down from 29 percent. CARB also provided a lower 2020 inventory forecast that incorporated State-led GHG emissions reduction measures already in place. When this lower forecast is considered, the necessary reduction from business-as-usual needed to achieve the goals of AB 32 is approximately 16 percent.

CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes the most recent science related to climate change, including anticipated impacts to California and the levels of GHG emissions reductions necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32.

In 2016, the Legislature passed Senate Bill (SB) 32, which codifies a 2030 GHG emissions reduction target of 40 percent below 1990 levels. With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017 CARB adopted a

[5] The Climate Action Team, led by the secretary of the California Environmental Protection Agency, is a group of State agency secretaries and heads of agencies, boards, and departments. Team members work to coordinate statewide efforts to implement global warming emissions reduction programs and the State's Climate Adaptation Strategy.

second update to the Scoping Plan.[6] The 2017 Scoping Plan details how the State will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017 Scoping plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and, support the Clean Power Plan and other Federal actions.

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit)

Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008)

Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards)

AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO_2e emissions and 75 percent fewer smog-forming emissions.

SB 1368 (Emission Performance Standards)

SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the State. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO_2 per megawatt-hour.

[6] California Air Resources Board, *California's 2017 Climate Change Scoping Plan,* https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf, accessed March 12, 2020.

SB 1078 and SBX1-2 (Renewable Electricity Standards)

SB 1078 requires California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 changed the due date to 2010 instead of 2017. On November 17, 2008, Governor Arnold Schwarzenegger signed Executive Order S-14-08, which established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the State's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SBX1-2, which codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015)

Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 25 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

AB 398 (Market-Based Compliance Mechanisms)

Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air contaminants and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

SB 150 (Regional Transportation Plans)

Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e., 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

SB 100 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases)

Signed into Law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the tone for the State and guide the actions of state agencies.

Executive Order S-3-05

Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07

Issued on January 18, 2007, Executive Order S 01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. CARB adopted the LCFS on April 23, 2009.

Executive Order S-13-08

Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order S-14-08

Issued on November 17, 2008, Executive Order S-14-08 expands the State's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09

Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California's RPS to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program,

requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15

Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO_2e (MMTCO2e). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the State's climate adaptation plan to be updated every three years and for the State to continue its climate change research program, among other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

Executive Order B-55-18.

Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant state agencies to develop a framework for implementing this goal. It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires state agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

Title 20 Appliance Efficiency Regulations

The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

Title 24 Building Energy Efficiency Standards

California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6), was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2016 Building Energy Efficiency Standards approved on January 19, 2016 went into effect on January 1, 2017. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018 and went into effect on January 1, 2020. Under the 2019 standards, homes will use about 53 percent less energy and nonresidential buildings will use about 30 percent less energy than buildings under the 2016 standards.

Title 24 California Green Building Standards Code

The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as the CALGreen Code, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and commercial buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code went into effect January 1, 2017. Updates to the 2016 CALGreen Code took take effect on January 1, 2020 (2019 CALGreen). The 2019 CALGreen standards will continue to improve upon the existing standards for new construction of, and additions and alterations to, residential and nonresidential buildings.

3.3 REGIONAL

South Coast Air Quality Management District Thresholds

The South Coast Air Quality Management District (SCAQMD) formed a GHG California Environmental Quality Act (CEQA) Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. As of the last Working Group meeting (Meeting 15) held in September 2010, the SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency.

With the tiered approach, the Project is compared with the requirements of each tier sequentially and would not result in a significant impact if it complies with any tier. Tier 1 excludes projects that are specifically exempt from SB 97 from resulting in a significant impact. Tier 2 excludes projects that are consistent with a GHG reduction plan that has a certified final CEQA document and complies with AB 32 GHG reduction goals. Tier 3 excludes projects with annual emissions lower than a screening threshold. For all industrial projects, the SCAQMD is proposing a screening threshold of 10,000 million tons of CO_2e ($MTCO_2e$) per year. SCAQMD concluded that projects with emissions less than the screening threshold would not result in a significant cumulative impact.

Tier 4 consists of three decision tree options. Under the Tier 4 first option, SCAQMD initially outlined that a project would be excluded if design features and/or mitigation measures resulted in emissions 30 percent lower than business as usual emissions. However, the Working Group did not provide a recommendation for this approach. The Working Group folded the Tier 4 second option into the third option. Under the Tier 4 third option, a project would be excluded if it was below an efficiency-based threshold of 4.8 $MTCO_2e$ per service population per year. Tier 5 would exclude projects that implement offsite mitigation (GHG reduction projects) or purchase offsets to reduce GHG emission impacts to less than the proposed screening level.

GHG efficiency metrics are utilized as thresholds to assess the GHG efficiency of a project on a per capita basis or on a service population basis (the sum of the number of jobs and the number of residents provided by a project) such that a project would allow for consistency with the goals of AB 32 (i.e. 1990 GHG emissions levels by 2020 and 2035). GHG efficiency thresholds can be determined by dividing the GHG emissions inventory goal of the State, by the estimated 2035 population and employment. This method allows highly efficient projects with higher mass emissions to meet the overall reduction goals of

AB 32, and is appropriate, because the threshold can be applied evenly to all project types (residential or commercial/retail only and mixed use).

Although the screening threshold for industrial projects is 10,000 $MTCO_2e$ per year, the City of Fontana utilizes 3,000 $MTCO_2e$ per year as the GHG threshold for warehouse projects. Therefore, the City of Fontana's GHG threshold of 3,000 $MTCO_2e$ per year will be the threshold utilized to evaluate GHG emissions from the proposed warehouse project.

Southern California Association of Governments

On April 7, 2016, the Southern California Association of Governments (SCAG) Regional Council adopted the *2016-2040 Regional Transportation Plan/ Sustainable Communities Strategy* (RTP/SCS). The RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The strategy was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The RTP/SCS is a long-range vision plan that balances future mobility and housing needs with economic, environmental, and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions.

3.4 LOCAL

City of Fontana General Plan

The City of Fontana's General Plan outlines the concerns of the community and the means of addressing those concerns. Chapter 9, Community Mobility and Circulation focuses on connecting neighborhoods and city destinations by expanding transportation choices in Fontana. General Plan policies that relate to greenhouse gas impacts include the following:

Goal 7: The City of Fontana participates in shaping regional transportation policies to reduce traffic congestion and greenhouse gas emissions

Policy 7-3: Participate in the efforts of the Southern California Association of Governments (SCAG) to coordinate transportation planning and services that support greenhouse gas reduction.

San Bernardino County Regional Greenhouse Gas Reduction Plan

In response to statewide GHG reduction initiatives, the San Bernardino Associated Governments (formerly SANBAG, now known as SBCOG), cooperated to compile an inventory of GHG emissions and an evaluation of reduction measures to be adopted by the cities partnering within SBCOG. Reduction measures in the GHG Reduction Plan (GHGRP) are targeting GHG goals for the year 2020. Several of the measures and policies mentioned in the GHGRP for the City of Fontana are from the General Plan. The policies listed in the GHGRP range from broadly supporting energy efficiency and sustainability to policies closely tied to specific GHG reduction measures. Application of these policies is expected to reduce local GHGs by an

estimated 387,998 $MTCO_2e$ from "business as usual" levels in 2020. This would equate to a 28.0 percent reduction in GHGs from the 2008 levels of 1,238,926 $MTCO_2e$ annually.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 THRESHOLDS AND SIGNIFICANT CRITERIA

Addressing GHG emissions generation impacts requires an agency to determine what constitutes a significant impact. The amendments to the CEQA Guidelines specifically allow lead agencies to determine thresholds of significance that illustrate the extent of an impact and are a basis from which to apply mitigation measures. This means that each agency is left to determine whether a project's GHG emissions will have a "significant" impact on the environment. The guidelines direct that agencies are to use "careful judgment" and "make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" the project's GHG emissions[7].

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

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, based on any applicable threshold of significance; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

South Coast Air Quality Management District Thresholds

The SCAQMD has not announced when staff is expecting to present a finalized version of its GHG thresholds to the governing board. On September 28, 2010, the SCAQMD recommended an interim screening level numeric "bright-line" threshold of 10,000 metric tons per year of CO_2e for industrial land uses. These efficiency-based thresholds were developed as part of the SCAQMD GHG CEQA Significance Threshold Working Group. This working group was formed to assist SCAQMD's efforts to develop a GHG significance threshold and is composed of a wide variety of stakeholders including the State Office of Planning and Research, CARB, the Attorney General's Office, a variety of city and county planning departments in the SCAB, various utilities such as sanitation and power companies throughout the SCAB, industry groups, and environmental and professional organizations. The numeric "bright line" was developed to be consistent with CEQA requirements for developing significance thresholds, are supported by substantial evidence, and provides guidance to CEQA practitioners in determining whether GHG emissions from a proposed project are significant.

4.2 METHODOLOGY

The Project's construction and operational emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod). Details of the modeling assumptions and emission factors are provided in Appendix A: Greenhouse Gas Emissions Data. For construction, CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. GHG emissions during construction were forecasted based on the proposed construction schedule and applying the mobile-source and fugitive dust emissions factors derived from CalEEMod. The Project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. The

[7] 14 California Code of Regulations, Section 15064.4a

Project's operations-related GHG emissions would be generated by vehicular traffic, area sources (e.g. landscaping maintenance, consumer products), electrical generation, natural gas consumption, water supply and wastewater treatment, and solid waste.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 GREENHOUSE GAS EMISSIONS

Threshold 5.1 Would the Project generate GHG emissions, either directly or indirectly, that could have a significant impact on the environment?

Short-Term Construction Greenhouse Gas Emissions

The Project would result in direct emissions of GHGs from construction. The approximate quantity of daily GHG emissions generated by construction equipment utilized to build the Project is depicted in Table 2: Construction-Related Greenhouse Gas Emissions.

Table 2: Construction-Related Greenhouse Gas Emissions

Category	$MTCO_2e$
2020 Construction	501
2021 Construction	718
Total Construction Emissions	1,219
30-Year Amortized Construction	41

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

As shown, the Project would result in the generation of approximately 1,219 $MTCO_2e$ over the course of construction. Construction GHG emissions are typically summed and amortized over the lifetime of the Project (assumed to be 30 years), then added to the operational emissions.[8] The amortized Project construction emissions would be 41 $MTCO_2e$ per year. Once construction is complete, the generation of these GHG emissions would cease.

Long-Term Operational Greenhouse Gas Emissions

Operational or long-term emissions occur over the life of the Project. GHG emissions would result from direct emissions such as Project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to, and wastewater from the Project, the emissions associated with solid waste generated from the Project, and any fugitive refrigerants from air conditioning or refrigerators.

Total GHG emissions associated with the Project are summarized in Table 3: Project Greenhouse Gas Emissions. As shown in Table 3, the Project would generate approximately 2,857 $MTCO_2e$ annually from both construction and operations and the Project. Project-related GHG emissions would not exceed the City's 3,000 $MTCO_2e$ per year threshold. Therefore, the proposed Project would be less than significant, and no mitigation measures are required.

[8] The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13,* August 26, 2009).

Table 3: Project Greenhouse Gas Emissions	
Emissions Source	**$MTCO_2e$ per Year**
Construction Amortized Over 30 Years	41
Area Source	0
Energy	235
Mobile	2,196
Off-road	35
Waste	79
Water and Wastewater	271
Total	**2,857**
City of Fontana Project Threshold	*3,000*
Exceeds Threshold?	**No**
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.	

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.2 GREENHOUSE GAS REDUCTION PLAN COMPLIANCE

Threshold 5.2 Would the Project conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing GHG emissions?

San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency

The City follows the 2014 GHGRP, which serves as a long-term vision for how Fontana, along with neighboring cities, can be more environmentally friendly and provides guidance for residents, City staff, and decision makers in the community on how to achieve future sustainability goals. The goals outlined in the GHGRP target GHG emissions in the year 2020. As shown in Table 4: San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency, the Project would not conflict with the goals in the GHGRP.

Table 4: San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency			
SBCOG Goals		**Compliance**	
GOAL 1:	Continue to support the regional bus system to provide intra-city service, inter-city service to major employment centers, and connect with other regional transportation transfer points.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 2:	Where needed and appropriate, require new development to provide transit facilities and accommodations, such as bus shelters and turnouts, consistent with regional agency plans and existing and anticipated demands.	Consistent:	The Project is not located immediately adjacent to an existing bus route. Therefore, the new development would not need to provide transit facilities and accommodations for buses.

Table 4: San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency

SBCOG Goals		Compliance	
GOAL 3:	Continue to implement traffic signal systems and intelligent transportation systems (ITS) components (not limited to signal coordination, highway advisory radio, closed circuit television, emergency vehicle signal preemption, etc.) along arterial roadways and sub-areas, in accordance to the City's traffic Signal System Conceptual Buildout Plan and in compliance with regional and appropriate ITS Architecture Master Plans	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 4:	Continue to develop non-motorized trails and bicycle routes as identified in the City's adopted General Plan; Parks, Recreation and Trails Element and the adopted Regional Non-Motorized Transportation Plan.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 5:	Require that all new development adjacent to non-motorized trails provide bicycle and pedestrian routes linked to those facilities.	N/A:	The Project site is not located near non-motorized trails and therefore is not applicable.
GOAL 6:	Increase densities through transit-oriented development in the core of the city adjacent to the Metrolink and Omni-trans hub.	N/A:	The Project is not located near the City core and/or a Metrolink or Moni-trans hub. In addition, the Project consists of a warehouse development and is not considered a transit-oriented development.
GOAL 7:	Activity Centers should be linked with residential neighborhoods and be accessible by multiple modes of transportation.	N/A:	This is not a project-specific policy and is therefore not applicable.

Source: San Bernardino County Transportation Authority, *San Bernardino County Regional Greenhouse Gas Reduction Plan*, March 2014.

SCAG RTP/SCS Consistency

On April 7, 2016, the Southern California Association of Governments (SCAG) Regional Council adopted the *2016-2040 Regional Transportation Plan/ Sustainable Communities Strategy* (RTP/SCS). The RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders in the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. SCAG's RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks for 2020 and 2035 as well as an overall GHG target for the Project region consistent with both the target date of AB 32 and the post-2020 GHG reduction goals of Executive Orders 5-03-05 and B-30-15.

The RTP/SCS contains over 4,000 transportation projects, ranging from highway improvements, railroad grade separations, bicycle lanes, new transit hubs and replacement bridges. These future investments were included in county plans developed by the six county transportation commissions and seek to reduce traffic bottlenecks, improve the efficiency of the region's network, and expand mobility choices for everyone. The RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding.

The plan accounts for operations and maintenance costs to ensure reliability, longevity, and cost effectiveness. The RTP/SCS is also supported by a combination of transportation and land use strategies that help the region achieve state GHG emissions reduction goals and Federal Clean Air Act (FCAA) requirements, preserve open space areas, improve public health and roadway safety, support our vital goods movement industry, and utilize resources more efficiently. GHG emissions resulting from development-related mobile sources are the most potent source of emissions, and therefore Project comparison to the RTP/SCS is an appropriate indicator of whether the Project would inhibit the post-2020 GHG reduction goals promulgated by the state. The Project's consistency with the RTP/SCS goals is analyzed in detail in Table 5: Regional Transportation Plan/Sustainable Communities Strategy Consistency.

Table 5: Regional Transportation Plan/Sustainable Communities Strategy Consistency

SCAG Goals		Compliance	
GOAL 1:	Align the plan investments and policies with improving regional economic development and competitiveness.	N/A:	This is not a project-specific policy and is therefore not applicable.
GOAL 2:	Maximize mobility and accessibility for all people and goods in the region.	Consistent:	Although this Project is not a transportation improvement project, improvements to Sierra Avenue and Casa Grande Avenue are planned as a part of the Project to improve the mobility and accessibility of the area.
GOAL 3:	Ensure travel safety and reliability for all people and goods in the region.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 4:	Preserve and ensure a sustainable regional transportation system.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 5:	Maximize the productivity of our transportation system.	N/A:	This is not a transportation improvement project and is therefore not applicable.
GOAL 6:	Protect the environment and health of our residents by improving air quality and encouraging active transportation (e.g. bicycling and walking).	N/A:	This is not a project-specific policy. However, the Project would not exceed any air quality thresholds and is adjacent to proposed Class I and Class II bicycle facilities along Sierra Avenue and Casa Grande Avenue.
GOAL 7:	Actively encourage and create incentives for energy efficiency, where possible.	N/A:	This is not a project-specific policy and is therefore not applicable. However, the Project is required to comply with the provisions of the California Building Energy Efficiency Standards and the Green Building Standards Code (CALGreen).
GOAL 8:	Encourage land use and growth patterns that facilitate transit as well as non-motorized transportation.	Consistent:	The Project is located within approximately 1.5 miles of local bus routes.
GOAL 9:	Maximize security of transportation system through improved system monitoring, rapid recovery planning, and coordination with other security agencies.	N/A:	This is not a transportation improvement project and is therefore not applicable.

Source: Southern California Association of Governments, *Regional Transportation Plan/Sustainable Communities Strategy*, 2016.

The goals stated in the RTP/SCS were used to determine consistency with the planning efforts previously stated. As shown in Table 5, the proposed Project would be consistent with the stated goals of the

RTP/SCS. Therefore, the proposed Project would not result in any significant impacts or interfere with SCAG's ability to achieve the region's post-2020 mobile source GHG reduction targets.

Consistency with the CARB Scoping Plan

The California State Legislature adopted AB 32 in 2006. AB 32 focuses on reducing GHGs (CO_2, CH_4, NO_X, HFCs, PFCs, and SF_6) to 1990 levels by the year 2020. Pursuant to the requirements in AB 32, CARB adopted the *Climate Change Scoping Plan* (CCSP) in 2008, which outlines actions recommended to obtain that goal. The CCSP provides a range of GHG reduction actions that include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as the cap-and-trade program, and an AB 32 implementation fee to fund the program. The 2017 CCSP Update identifies additional GHG reduction measures necessary to achieve the 2030 target. These measures build upon those identified in the first update to the CCSP in 2013. Although a number of these measures are currently established as policies and measures, some measures have not yet been formally proposed or adopted. It is expected that these actions to reduce GHG emissions will be adopted as required to achieve statewide GHG emissions targets.

As shown in Table 6: Project Consistency with Applicable CARB Scoping Plan Measures, the Project is consistent with most of the strategies, while others are not applicable to the Project. As such, impacts related to consistency with the Scoping Plan would be less than significant.

Table 6: Project Consistency with Applicable CARB Scoping Plan Measures

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
Transportation	California Cap-and-Trade Program Linked to Western Climate Initiative	Regulation for the California Cap on GHG Emissions and Market-Based Compliance Mechanism October 20, 2015 (CCR 95800)	**Consistent.** The Cap-and-Trade Program applies to large industrial sources such as power plants, refineries, and cement manufacturers. However, the regulation indirectly affects people who use the products and services produced by these industrial sources when increased cost of products or services (such as electricity and fuel) are transferred to the consumers. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period.
	California Light-Duty Vehicle GHG Standards	Pavley I 2005 Regulations to Control GHG Emissions from Motor Vehicles Pavley I 2005 Regulations to Control GHG Emissions from Motor Vehicles	**Consistent**. This measure applies to all new vehicles starting with model year 2012. The Project would not conflict with its implementation as it would apply to all new passenger vehicles purchased in California. Passenger vehicles, model year 2012 and later, associated with construction and operation of the Project would be required to comply with the Pavley emissions standards.
		2012 LEV III California GHG and Criteria Pollutant Exhaust and	**Consistent.** The LEV III amendments provide reductions from new vehicles sold in California between 2017 and 2025. Passenger vehicles

Table 6: Project Consistency with Applicable CARB Scoping Plan Measures

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
		Evaporative Emission Standards	associated with the site would comply with LEV III standards.
	Low Carbon Fuel Standard	2009 readopted in 2015. Regulations to Achieve GHG Emission Reductions Subarticle 7. Low Carbon Fuel Standard CCR 95480	**Consistent.** This measure applies to transportation fuels utilized by vehicles in California. The Project would not conflict with implementation of this measure. Motor vehicles associated with construction and operation of the Project would utilize low carbon transportation fuels as required under this measure.
	Regional Transportation-Related GHG Targets.	SB 375. Cal. Public Resources Code §§ 21155, 21155.1, 21155.2, 21159.28	**Consistent**. The Project would provide development in the region that is consistent with the growth projections in the RTP/SCS.
	Goods Movement	Goods Movement Action Plan January 2007	**Not applicable**. The Project does not propose any changes to maritime, rail, or intermodal facilities or forms of transportation.
	Medium/Heavy-Duty Vehicle	2010 Amendments to the Truck and Bus Regulation, the Drayage Truck Regulation and the Tractor-Trailer GHG Regulation	**Consistent**. This measure applies to medium and heavy-duty vehicles that operate in the state. The Project would not conflict with implementation of this measure. Medium and heavy-duty vehicles associated with construction and operation of the Project would be required to comply with the requirements of this regulation.
	High Speed Rail	Funded under SB 862	**Not applicable**. This is a statewide measure that cannot be implemented by a project applicant or Lead Agency.
Electricity and Natural Gas	Energy Efficiency	Title 20 Appliance Efficiency Regulation	**Consistent.** The Project would not conflict with implementation of this measure. The Project would comply with the latest energy efficiency standards.
		Title 24 Part 6 Energy Efficiency Standards for Residential and Non-Residential Building	
		Title 24 Part 11 California Green Building Code Standards	
	Renewable Portfolio Standard/Renewable Electricity Standard.	2010 Regulation to Implement the Renewable Electricity Standard (33% 2020)	**Consistent**. The Project would obtain electricity from the electric utility, Southern California Edison (SCE). SCE obtained 36 percent of its power supply from renewable sources in 2018. Therefore, the utility would provide power when needed on site that is composed of a greater percentage of renewable sources.
	Million Solar Roofs Program	SB 350 Clean Energy and Pollution Reduction Act of 2015 (50% 2030)	
	Million Solar Roofs Program	Tax Incentive Program	**Consistent.** This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. The program provides incentives that are in place at the time of construction.
Water	Water	Title 24 Part 11 California Green Building Code Standards	**Consistent.** The Project would comply with the CalGreen standards, which requires a 20 percent reduction in indoor water use. The Project would also comply with the City's Water-Efficient Landscaping

Table 6: Project Consistency with Applicable CARB Scoping Plan Measures

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
		SBX 7-7—The Water Conservation Act of 2009 Model Water Efficient Landscape Ordinance	Regulations (Chapter 28, Article IV of the Fontana Municipal Code).
Green Buildings	Green Building Strategy	Title 24 Part 11 California Green Building Code Standards	**Consistent.** The State is to increase the use of green building practices. The Project would implement required green building strategies through existing regulation that requires the Project to comply with various CalGreen requirements. The Project includes sustainability design features that support the Green Building Strategy.
Industry	Industrial Emissions	2010 CARB Mandatory Reporting Regulation	**Not applicable.** The Mandatory Reporting Regulation requires facilities and entities with more than 10,000 $MTCO_2e$ of combustion and process emissions, all facilities belonging to certain industries, and all electric power entities to submit an annual GHG emissions data report directly to CARB. As shown above, total Project GHG emissions would not exceed 10,000 $MTCO_2e$. Therefore, this regulation would not apply.
Recycling and Waste Management	Recycling and Waste	Title 24 Part 11 California Green Building Code Standards AB 341 Statewide 75 Percent Diversion Goal	**Consistent.** The Project would not conflict with implementation of these measures. The Project is required to achieve the recycling mandates via compliance with the CALGreen code. The City has consistently achieved its state recycling mandates.
Forests	Sustainable Forests	Cap and Trade Offset Projects	**Not applicable.** The Project is not located in a forested area.
High Global Warming Potential	High Global Warming Potential Gases	CARB Refrigerant Management Program CCR 95380	**Not applicable**. The regulations are applicable to refrigerants used by large air conditioning systems and large commercial and industrial refrigerators and cold storage system. The Project would not conflict with the refrigerant management regulations adopted by CARB.
Agriculture	Agriculture	Cap and Trade Offset Projects for Livestock and Rice Cultivation	**Not applicable**. No grazing, feedlot, or other agricultural activities that generate manure occur currently exist on-site or are proposed to be implemented by the Project.

Source: California Air Resources Board, *California's 2017 Climate Change Scoping Plan*, November 2017 and CARB, *Climate Change Scoping Plan*, December 2008.

The Project is estimated to emit approximately 2,857 $MTCO_2e$ per year directly from on-site activities and indirectly from off-site motor vehicles, see Table 3. As discussed above, the GHG emissions caused by long-term operation of the Project would not exceed the City's 3,000 $MTCO_2e$ per year screening threshold, and impacts would be less than significant.

Regarding goals for 2050 under Executive Order S-3-05, at this time it is not possible to quantify the emissions savings from future regulatory measures, as they have not yet been developed; nevertheless, it can be anticipated that operation of the Project would comply with all applicable measures are enacted that state lawmakers decide would lead to an 80 percent reduction below 1990 levels by 2050.

5.3 CUMULATIVE SETTING, IMPACTS, AND MITIGATION MEASURES

Cumulative Setting

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about 1 day), GHGs have much longer atmospheric lifetimes of 1 year to several thousand years that allow them to be dispersed around the globe.

Cumulative Impacts

It is generally the case that an individual project of this size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of project-related GHGs would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the Project as well as other cumulative related projects would also be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As shown in Table 4 through Table 5, the Project would not conflict with the GHGRP, or the RTP/SCS. As a result, the Project would not conflict with any GHG reduction plans including the CARB Scoping Plan. Therefore, the Project's cumulative contribution of GHG emissions would be less than significant and the Project's cumulative GHG impacts would also be less than cumulatively considerable.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

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7. San Bernardino County Transportation Authority, *San Bernardino County Regional Greenhouse Gas Reduction Plan*, March 2014.
8. State of California, *Code of Regulations Section 15065.5a*, 2018.
9. Southern California Association of Governments, *2016 - 2040 Regional Transportation Plan/Sustainable Communities Strategy*, 2016.
10. South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, 2009.
11. U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018.
12. U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, 2010.
13. U.S. EPA, *Overview of Greenhouse Gases*, 2018.

Appendix A

Greenhouse Gas Emissions Data

Sierra and Casa Grande 5/27/2020

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.11	10,000.00	0
Unrefrigerated Warehouse-No Rail	323.00	1000sqft	7.41	322,996.00	0
Parking Lot	239.15	1000sqft	5.49	239,148.00	0
Other Asphalt Surfaces	16.06	1000sqft	0.37	16,056.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra and Casa Grande 5/27/2020 - San Bernardino-South Coast County, Annual

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - Warehouse 322,996 SF + Office 10,000 SF = 332,996 SF. Not refrigerated - Building Footprint Area = 327,996 SF (5,000 SF mezzanine)
Total Parking Area including drive aisles = 239,148 SF, other surface = offsite improvements

Construction Phase - Using default construction schedule, except assume paving and painting will occur during Construction

Trips and VMT -

Grading - no import/export data available at this time

Architectural Coating - Low VOC Paint

Vehicle Trips - Based on traffic study: 579 ADT, trip rate: 579/322.996= 1.7925918587227086403546793149141

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino County (SC) + Safe Rule

Area Coating - Low VOC paint

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard

Water Mitigation - use low-flow fixtures

Waste Mitigation - AB 939 - divert atleast 50% of solid waste from landfills

Operational Off-Road Equipment - Assume 2 forklifts for building

Fleet Mix - Fleet Mix based on Traffic Study

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	20.00	54.00
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tblFleetMix	LHD2	5.2670e-003	0.03
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblLandUse	LandUseSquareFeet	323,000.00	322,996.00
tblLandUse	LandUseSquareFeet	239,150.00	239,148.00
tblLandUse	LotAcreage	0.23	0.11
tblLandUse	LotAcreage	7.42	7.41
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
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tblVehicleEF	HHD	0.01	0.01

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tblVehicleEF	HHD	9.3000e-005	3.8000e-005
tblVehicleEF	HHD	3.4490e-003	6.0000e-005
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tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.11	0.11

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tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07

tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.61
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0900e-004
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05

tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.52
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0150e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8520e-003
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1800e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43

tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.27
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.0200e-004
tblVehicleEF	LHD1	3.7970e-003	0.04

tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
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tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	2.43
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tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	10.18
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	7.5090e-003	0.08

tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
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tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
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tblVehicleEF	LHD1	0.09	1.08
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tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4400e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.2500e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.0200e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD2	3.8190e-003	0.05

tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
tblVehicleEF	LHD2	0.12	1.91
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tblVehicleEF	LHD2	1.29	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
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tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.20
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003

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tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
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tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
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tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003

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tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
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tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
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tblVehicleEF	LHD2	9.0820e-003	9.4560e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54

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tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2300e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1400e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8410e-003
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tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.00	2.35
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88

tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83

tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86

tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8700e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51

tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.87
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7600e-004
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45

tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1420e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8700e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9100e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.44	0.11

tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.05
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8800e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59

tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.27
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6800e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9100e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10

tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
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tblVehicleEF	MHD	155.10	780.82
tblVehicleEF	MHD	1,105.72	1,006.19
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tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	4.1800e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	1.4330e-003	4.5970e-003
tblVehicleEF	MHD	0.05	7.3280e-003
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3840e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02

tblVehicleEF	MHD	1.4910e-003	7.3950e-003
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4400e-004	3.0000e-005
tblVehicleEF	MHD	1.4330e-003	4.5970e-003
tblVehicleEF	MHD	0.05	7.3280e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3840e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	2.9710e-003
tblVehicleEF	MHD	0.24	2.72
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
tblVehicleEF	MHD	164.29	793.74
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	2.96
tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	5.3330e-003	0.06

tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	2.8480e-003	8.4260e-003
tblVehicleEF	MHD	0.05	8.5070e-003
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	1.6690e-003	4.8010e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	7.5180e-003
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.3800e-004	2.9000e-005
tblVehicleEF	MHD	2.8480e-003	8.4260e-003
tblVehicleEF	MHD	0.05	8.5070e-003
tblVehicleEF	MHD	0.03	0.22
tblVehicleEF	MHD	1.6690e-003	4.8010e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.1530e-003	5.9780e-003
tblVehicleEF	MHD	0.06	3.0730e-003
tblVehicleEF	MHD	0.46	3.91
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.36
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tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99

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tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38
tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.7000e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.4000e-005
tblVehicleEF	MHD	1.5800e-003	4.8400e-003
tblVehicleEF	MHD	0.05	8.2350e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4390e-003
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tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	7.2250e-003
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	3.0000e-005
tblVehicleEF	MHD	1.5800e-003	4.8400e-003
tblVehicleEF	MHD	0.05	8.2350e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4390e-003
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tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	0.13

tblVehicleEF	OBUS	0.01	8.8680e-003
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tblVehicleEF	OBUS	0.27	9.46
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tblVehicleEF	OBUS	70.21	1,555.56
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tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	1.0800e-004	0.04
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	1.3700e-004

tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.06	0.11
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tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	9.1000e-005	0.03
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3300e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	7.1200e-004	0.01
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tblVehicleEF	OBUS	8.1800e-004	1.3500e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
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tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99

tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4500e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
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tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.01	0.04
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tblVehicleEF	SBUS	0.03	0.04
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tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
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tblVehicleEF	SBUS	1.3130e-003	7.4840e-003
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tblVehicleEF	SBUS	0.01	0.03
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tblVehicleEF	SBUS	4.5600e-004	1.4600e-004
tblVehicleEF	SBUS	3.0740e-003	0.02

tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	1.3130e-003	7.4840e-003
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tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4940e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
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tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
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tblVehicleEF	SBUS	5.9210e-003	0.03

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tblVehicleEF	SBUS	0.23	0.09
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3500e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42

tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2800e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1800e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7230e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4800e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7230e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45

tblVehicleEF	UBUS	0.09	9.2990e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	3.8760e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2710e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.0600e-004
tblVehicleEF	UBUS	8.4220e-003	3.8760e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2710e-003
tblVehicleEF	UBUS	2.68	4.54

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4410e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	7.1140e-003
tblVehicleEF	UBUS	0.15	8.7360e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5760e-003	1.0400e-004
tblVehicleEF	UBUS	0.02	7.1140e-003

tblVehicleEF	UBUS	0.15	8.7360e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3770e-003
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	4.0000e-003
tblVehicleEF	UBUS	0.15	8.2160e-003
tblVehicleEF	UBUS	4.2700e-003	2.3060e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03

tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.0600e-004
tblVehicleEF	UBUS	9.6690e-003	4.0000e-003
tblVehicleEF	UBUS	0.15	8.2160e-003
tblVehicleEF	UBUS	4.2700e-003	2.3060e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CW_TL	16.60	25.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	1.79
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	1.79
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	1.68	1.79

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2938	2.6850	2.2104	5.5400e-003	0.4079	0.1109	0.5188	0.1542	0.1034	0.2576	0.0000	498.9554	498.9554	0.0775	0.0000	500.8920
2021	1.1459	2.9450	3.0118	7.9300e-003	0.3175	0.1132	0.4306	0.0856	0.1062	0.1918	0.0000	716.1156	716.1156	0.0910	0.0000	718.3901
Maximum	**1.1459**	**2.9450**	**3.0118**	**7.9300e-003**	**0.4079**	**0.1132**	**0.5188**	**0.1542**	**0.1062**	**0.2576**	**0.0000**	**716.1156**	**716.1156**	**0.0910**	**0.0000**	**718.3901**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1183	0.8134	2.2577	5.5400e-003	0.2725	7.8000e-003	0.2803	0.0937	7.6100e-003	0.1013	0.0000	498.9551	498.9551	0.0775	0.0000	500.8917
2021	0.9682	1.1779	3.1659	7.9300e-003	0.2935	8.0800e-003	0.3016	0.0797	7.8800e-003	0.0876	0.0000	716.1152	716.1152	0.0910	0.0000	718.3898
Maximum	**0.9682**	**1.1779**	**3.1659**	**7.9300e-003**	**0.2935**	**8.0800e-003**	**0.3016**	**0.0937**	**7.8800e-003**	**0.1013**	**0.0000**	**716.1152**	**716.1152**	**0.0910**	**0.0000**	**718.3898**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**24.54**	**64.63**	**-3.86**	**0.00**	**21.97**	**92.91**	**38.71**	**27.67**	**92.61**	**57.96**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-1-2020**	**8-31-2020**	1.4791	0.2773
2	**9-1-2020**	**11-30-2020**	1.0933	0.4841
3	**12-1-2020**	**2-28-2021**	1.0164	0.4555
4	**3-1-2021**	**5-31-2021**	1.0052	0.4542
5	**6-1-2021**	**8-31-2021**	2.2357	1.3025
6	**9-1-2021**	**9-30-2021**	0.2022	0.0953
		Highest	2.2357	1.3025

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	1.2993	7.0000e-005	7.5400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156
Energy	3.7200e-003	0.0338	0.0284	2.0000e-004		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	254.7526	254.7526	0.0131	3.2400e-003	256.0444
Mobile	0.6375	5.0154	6.2737	0.0231	1.4348	0.0504	1.4851	0.3871	0.0487	0.4358	0.0000	2,214.4226	2,214.4226	0.1076	0.0000	2,217.1119
Offroad	0.0336	0.3066	0.3036	4.0000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	34.9157	34.9157	0.0113	0.0000	35.1981
Waste						0.0000	0.0000		0.0000	0.0000	63.5199	0.0000	63.5199	3.7539	0.0000	157.3679
Water						0.0000	0.0000		0.0000	0.0000	24.2608	233.3452	257.6059	2.5051	0.0616	338.5835
Total	**1.9741**	**5.3559**	**6.6133**	**0.0237**	**1.4348**	**0.0747**	**1.5095**	**0.3871**	**0.0713**	**0.4584**	**87.7807**	**2,737.4507**	**2,825.2314**	**6.3910**	**0.0648**	**3,004.3213**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2993	7.0000e-005	7.5400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156
Energy	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	233.4219	233.4219	0.0123	2.9100e-003	234.5976
Mobile	0.6351	4.9812	6.2275	0.0229	1.4186	0.0498	1.4684	0.3827	0.0482	0.4309	0.0000	2,193.0015	2,193.0015	0.1066	0.0000	2,195.6666
Offroad	0.0336	0.3066	0.3036	4.0000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	34.9157	34.9157	0.0113	0.0000	35.1981
Waste						0.0000	0.0000		0.0000	0.0000	31.7600	0.0000	31.7600	1.8770	0.0000	78.6840
Water						0.0000	0.0000		0.0000	0.0000	19.4086	187.0656	206.4742	2.0041	0.0493	271.2582
Total	**1.9707**	**5.3117**	**6.5587**	**0.0234**	**1.4186**	**0.0734**	**1.4920**	**0.3827**	**0.0701**	**0.4528**	**51.1686**	**2,648.4194**	**2,699.5880**	**4.0113**	**0.0522**	**2,815.4199**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.18**	**0.82**	**0.83**	**1.18**	**1.12**	**1.73**	**1.15**	**1.12**	**1.78**	**1.23**	**41.71**	**3.25**	**4.45**	**37.24**	**19.50**	**6.29**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	6/12/2020	5	10	
2	Grading	Grading	6/13/2020	7/24/2020	5	30	
3	Building Construction	Building Construction	7/25/2020	9/17/2021	5	300	
4	Paving	Paving	6/18/2021	9/1/2021	5	54	
5	Architectural Coating	Architectural Coating	6/18/2021	9/1/2021	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 5.86

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 499,494; Non-Residential Outdoor: 166,498; Striped Parking Area: 14,349 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	239.00	94.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	48.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
Total	**4.4000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8458**	**0.8458**	**3.0000e-005**	**0.0000**	**0.8465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	**2.3300e-003**	**0.0101**	**0.1043**	**1.9000e-004**	**0.0407**	**3.1000e-004**	**0.0410**	**0.0223**	**3.1000e-004**	**0.0227**	**0.0000**	**16.7153**	**16.7153**	**5.4100e-003**	**0.0000**	**16.8505**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
Total	**4.4000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**9.1000e-004**	**1.0000e-005**	**9.2000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8458**	**0.8458**	**3.0000e-005**	**0.0000**	**0.8465**

3.3 Grading - 2020

Unmitigated Construction On-Site

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

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4800e-003	1.1600e-003	0.0116	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8195	2.8195	8.0000e-005	0.0000	2.8216
Total	**1.4800e-003**	**1.1600e-003**	**0.0116**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**8.9000e-004**	**0.0000**	**2.8195**	**2.8195**	**8.0000e-005**	**0.0000**	**2.8216**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
Total	**0.0114**	**0.0495**	**0.4950**	**9.3000e-004**	**0.0586**	**1.5200e-003**	**0.0601**	**0.0243**	**1.5200e-003**	**0.0258**	**0.0000**	**81.7263**	**81.7263**	**0.0264**	**0.0000**	**82.3871**

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4800e-003	1.1600e-003	0.0116	3.0000e-005	3.0300e-003	2.0000e-005	3.0500e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.8195	2.8195	8.0000e-005	0.0000	2.8216
Total	**1.4800e-003**	**1.1600e-003**	**0.0116**	**3.0000e-005**	**3.0300e-003**	**2.0000e-005**	**3.0500e-003**	**8.1000e-004**	**2.0000e-005**	**8.3000e-004**	**0.0000**	**2.8195**	**2.8195**	**8.0000e-005**	**0.0000**	**2.8216**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1208	1.0936	0.9604	1.5300e-003		0.0637	0.0637		0.0599	0.0599	0.0000	132.0177	132.0177	0.0322	0.0000	132.8229
Total	**0.1208**	**1.0936**	**0.9604**	**1.5300e-003**		**0.0637**	**0.0637**		**0.0599**	**0.0599**	**0.0000**	**132.0177**	**132.0177**	**0.0322**	**0.0000**	**132.8229**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.5720	0.1196	1.4300e-003	0.0338	2.6200e-003	0.0364	9.7500e-003	2.5000e-003	0.0123	0.0000	136.7989	136.7989	9.4700e-003	0.0000	137.0355
Worker	0.0673	0.0529	0.5284	1.4200e-003	0.1494	1.0000e-003	0.1504	0.0397	9.2000e-004	0.0406	0.0000	128.0317	128.0317	3.8500e-003	0.0000	128.1278
Total	**0.0839**	**0.6249**	**0.6480**	**2.8500e-003**	**0.1832**	**3.6200e-003**	**0.1868**	**0.0494**	**3.4200e-003**	**0.0528**	**0.0000**	**264.8306**	**264.8306**	**0.0133**	**0.0000**	**265.1634**

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	0.0187	0.1274	0.9952	1.5300e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	132.0175	132.0175	0.0322	0.0000	132.8227
Total	**0.0187**	**0.1274**	**0.9952**	**1.5300e-003**		**2.3200e-003**	**2.3200e-003**		**2.3200e-003**	**2.3200e-003**	**0.0000**	**132.0175**	**132.0175**	**0.0322**	**0.0000**	**132.8227**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.5720	0.1196	1.4300e-003	0.0316	2.6200e-003	0.0343	9.2200e-003	2.5000e-003	0.0117	0.0000	136.7989	136.7989	9.4700e-003	0.0000	137.0355
Worker	0.0673	0.0529	0.5284	1.4200e-003	0.1377	1.0000e-003	0.1387	0.0368	9.2000e-004	0.0377	0.0000	128.0317	128.0317	3.8500e-003	0.0000	128.1278
Total	**0.0839**	**0.6249**	**0.6480**	**2.8500e-003**	**0.1694**	**3.6200e-003**	**0.1730**	**0.0460**	**3.4200e-003**	**0.0495**	**0.0000**	**264.8306**	**264.8306**	**0.0133**	**0.0000**	**265.1634**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1768	1.6212	1.5415	2.5000e-003		0.0892	0.0892		0.0838	0.0838	0.0000	215.4227	215.4227	0.0520	0.0000	216.7220
Total	**0.1768**	**1.6212**	**1.5415**	**2.5000e-003**		**0.0892**	**0.0892**		**0.0838**	**0.0838**	**0.0000**	**215.4227**	**215.4227**	**0.0520**	**0.0000**	**216.7220**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	0.8505	0.1731	2.3200e-003	0.0551	1.4600e-003	0.0566	0.0159	1.4000e-003	0.0173	0.0000	222.0147	222.0147	0.0150	0.0000	222.3887
Worker	0.1023	0.0773	0.7920	2.2400e-003	0.2437	1.5900e-003	0.2453	0.0647	1.4600e-003	0.0662	0.0000	202.2436	202.2436	5.6600e-003	0.0000	202.3851
Total	**0.1255**	**0.9278**	**0.9650**	**4.5600e-003**	**0.2988**	**3.0500e-003**	**0.3019**	**0.0806**	**2.8600e-003**	**0.0835**	**0.0000**	**424.2583**	**424.2583**	**0.0206**	**0.0000**	**424.7738**

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	0.0305	0.2078	1.6238	2.5000e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	215.4224	215.4224	0.0520	0.0000	216.7217
Total	**0.0305**	**0.2078**	**1.6238**	**2.5000e-003**		**3.7900e-003**	**3.7900e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**215.4224**	**215.4224**	**0.0520**	**0.0000**	**216.7217**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	0.8505	0.1731	2.3200e-003	0.0516	1.4600e-003	0.0531	0.0151	1.4000e-003	0.0164	0.0000	222.0147	222.0147	0.0150	0.0000	222.3887
Worker	0.1023	0.0773	0.7920	2.2400e-003	0.2247	1.5900e-003	0.2263	0.0601	1.4600e-003	0.0615	0.0000	202.2436	202.2436	5.6600e-003	0.0000	202.3851
Total	**0.1255**	**0.9278**	**0.9650**	**4.5600e-003**	**0.2763**	**3.0500e-003**	**0.2794**	**0.0751**	**2.8600e-003**	**0.0780**	**0.0000**	**424.2583**	**424.2583**	**0.0206**	**0.0000**	**424.7738**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0339	0.3488	0.3956	6.2000e-004		0.0183	0.0183		0.0168	0.0168	0.0000	54.0634	54.0634	0.0175	0.0000	54.5005
Paving	7.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0416**	**0.3488**	**0.3956**	**6.2000e-004**		**0.0183**	**0.0183**		**0.0168**	**0.0168**	**0.0000**	**54.0634**	**54.0634**	**0.0175**	**0.0000**	**54.5005**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.4100e-003	0.0144	4.0000e-005	4.4400e-003	3.0000e-005	4.4700e-003	1.1800e-003	3.0000e-005	1.2100e-003	0.0000	3.6851	3.6851	1.0000e-004	0.0000	3.6877
Total	**1.8600e-003**	**1.4100e-003**	**0.0144**	**4.0000e-005**	**4.4400e-003**	**3.0000e-005**	**4.4700e-003**	**1.1800e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**3.6851**	**3.6851**	**1.0000e-004**	**0.0000**	**3.6877**

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	7.5700e-003	0.0328	0.4670	6.2000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	54.0633	54.0633	0.0175	0.0000	54.5005
Paving	7.6800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0153**	**0.0328**	**0.4670**	**6.2000e-004**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**54.0633**	**54.0633**	**0.0175**	**0.0000**	**54.5005**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.4100e-003	0.0144	4.0000e-005	4.0900e-003	3.0000e-005	4.1200e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.6851	3.6851	1.0000e-004	0.0000	3.6877
Total	**1.8600e-003**	**1.4100e-003**	**0.0144**	**4.0000e-005**	**4.0900e-003**	**3.0000e-005**	**4.1200e-003**	**1.0900e-003**	**3.0000e-005**	**1.1200e-003**	**0.0000**	**3.6851**	**3.6851**	**1.0000e-004**	**0.0000**	**3.6877**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7884					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9100e-003	0.0412	0.0491	8.0000e-005		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	6.8938	6.8938	4.7000e-004	0.0000	6.9056
Total	**0.7943**	**0.0412**	**0.0491**	**8.0000e-005**		**2.5400e-003**	**2.5400e-003**		**2.5400e-003**	**2.5400e-003**	**0.0000**	**6.8938**	**6.8938**	**4.7000e-004**	**0.0000**	**6.9056**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9700e-003	4.5100e-003	0.0462	1.3000e-004	0.0142	9.0000e-005	0.0143	3.7700e-003	9.0000e-005	3.8600e-003	0.0000	11.7923	11.7923	3.3000e-004	0.0000	11.8006
Total	**5.9700e-003**	**4.5100e-003**	**0.0462**	**1.3000e-004**	**0.0142**	**9.0000e-005**	**0.0143**	**3.7700e-003**	**9.0000e-005**	**3.8600e-003**	**0.0000**	**11.7923**	**11.7923**	**3.3000e-004**	**0.0000**	**11.8006**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7884					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	3.4800e-003	0.0495	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	6.8938	6.8938	4.7000e-004	0.0000	6.9056
Total	**0.7892**	**3.4800e-003**	**0.0495**	**8.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**6.8938**	**6.8938**	**4.7000e-004**	**0.0000**	**6.9056**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9700e-003	4.5100e-003	0.0462	1.3000e-004	0.0131	9.0000e-005	0.0132	3.5000e-003	9.0000e-005	3.5900e-003	0.0000	11.7923	11.7923	3.3000e-004	0.0000	11.8006
Total	**5.9700e-003**	**4.5100e-003**	**0.0462**	**1.3000e-004**	**0.0131**	**9.0000e-005**	**0.0132**	**3.5000e-003**	**9.0000e-005**	**3.5900e-003**	**0.0000**	**11.7923**	**11.7923**	**3.3000e-004**	**0.0000**	**11.8006**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

	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	0.6351	4.9812	6.2275	0.0229	1.4186	0.0498	1.4684	0.3827	0.0482	0.4309	0.0000	2,193.0015	2,193.0015	0.1066	0.0000	2,195.6666
Unmitigated	0.6375	5.0154	6.2737	0.0231	1.4348	0.0504	1.4851	0.3871	0.0487	0.4358	0.0000	2,214.4226	2,214.4226	0.1076	0.0000	2,217.1119

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	579.01	579.01	579.01	3,704,926	3,663,269
Total	579.01	579.01	579.01	3,704,926	3,663,269

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	25.00	8.40	6.90	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.436242	0.037123	0.179649	0.119457	0.017229	0.034600	0.046400	0.123300	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	207.4778	207.4778	0.0118	2.4400e-003	208.4993
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	217.9112	217.9112	0.0124	2.5600e-003	218.9841
NaturalGas Mitigated	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9441	25.9441	5.0000e-004	4.8000e-004	26.0983
NaturalGas Unmitigated	3.7200e-003	0.0338	0.0284	2.0000e-004		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	36.8414	36.8414	7.1000e-004	6.8000e-004	37.0603

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	34700	1.9000e-004	1.7000e-003	1.4300e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8517	1.8517	4.0000e-005	3.0000e-005	1.8627
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 Rail	655682	3.5400e-003	0.0321	0.0270	1.9000e-004		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	34.9897	34.9897	6.7000e-004	6.4000e-004	35.1976
Total		**3.7300e-003**	**0.0338**	**0.0284**	**2.0000e-004**		**2.5700e-003**	**2.5700e-003**		**2.5700e-003**	**2.5700e-003**	**0.0000**	**36.8414**	**36.8414**	**7.1000e-004**	**6.7000e-004**	**37.0603**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	24290	1.3000e-004	1.1900e-003	1.0000e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2962	1.2962	2.0000e-005	2.0000e-005	1.3039
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 Rail	461884	2.4900e-003	0.0226	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6479	24.6479	4.7000e-004	4.5000e-004	24.7944
Total		**2.6200e-003**	**0.0238**	**0.0200**	**1.5000e-004**		**1.8100e-003**	**1.8100e-003**		**1.8100e-003**	**1.8100e-003**	**0.0000**	**25.9441**	**25.9441**	**4.9000e-004**	**4.7000e-004**	**26.0983**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	95200	22.0418	1.2500e-003	2.6000e-004	22.1503
Parking Lot	83701.8	19.3796	1.1000e-003	2.3000e-004	19.4750
Unrefrigerated Warehouse-No Rail	762271	176.4898	0.0100	2.0700e-003	177.3587
Total		**217.9112**	**0.0124**	**2.5600e-003**	**218.9841**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	85990	19.9094	1.1300e-003	2.3000e-004	20.0074
Parking Lot	83701.8	19.3796	1.1000e-003	2.3000e-004	19.4750
Unrefrigerated Warehouse-No Rail	726418	168.1888	9.5600e-003	1.9800e-003	169.0168
Total		**207.4778**	**0.0118**	**2.4400e-003**	**208.4993**

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	1.2993	7.0000e-005	7.5400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156
Unmitigated	1.2993	7.0000e-005	7.5400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156

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	0.0788					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-004	7.0000e-005	7.5400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156
Total	**1.2993**	**7.0000e-005**	**7.5400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0146**	**0.0146**	**4.0000e-005**	**0.0000**	**0.0156**

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	0.0788					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-004	7.0000e-005	7.5400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156
Total	**1.2993**	**7.0000e-005**	**7.5400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0146**	**0.0146**	**4.0000e-005**	**0.0000**	**0.0156**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	206.4742	2.0041	0.0493	271.2582
Unmitigated	257.6059	2.5051	0.0616	338.5835

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.77734 / 1.08934	8.7243	0.0584	1.4600e-003	10.6198
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	74.6937 / 0	248.8817	2.4467	0.0601	327.9637
Total		**257.6059**	**2.5051**	**0.0616**	**338.5835**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.42187 / 1.02289	7.3689	0.0467	1.1800e-003	8.8873
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	59.755 / 0	199.1053	1.9574	0.0481	262.3709
Total		**206.4742**	**2.0041**	**0.0493**	**271.2582**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.7600	1.8770	0.0000	78.6840
Unmitigated	63.5199	3.7539	0.0000	157.3679

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	9.3	1.8878	0.1116	0.0000	4.6770
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	303.62	61.6321	3.6424	0.0000	152.6910
Total		**63.5199**	**3.7539**	**0.0000**	**157.3679**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	4.65	0.9439	0.0558	0.0000	2.3385
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	151.81	30.8161	1.8212	0.0000	76.3455
Total		**31.7600**	**1.8770**	**0.0000**	**78.6840**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	2	8.00	260	89	0.20	Electrical

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0336	0.3066	0.3036	4.0000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	34.9157	34.9157	0.0113	0.0000	35.1981
Total	**0.0336**	**0.3066**	**0.3036**	**4.0000e-004**		**0.0218**	**0.0218**		**0.0200**	**0.0200**	**0.0000**	**34.9157**	**34.9157**	**0.0113**	**0.0000**	**35.1981**

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

Kimley»Horn

MEMORANDUM

To:	Kari Cano
From:	Alex Pohlman
	Kimley-Horn and Associates, Inc.
Date:	June 2, 2020
Subject:	Mango Replacement Site: Proposed Sierra Casa Grande Warehouse Residential Replacement Site – Air Quality and Greenhouse Gas Emissions

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Purpose

The purpose of this memorandum is to identify the air quality and greenhouse gas (GHG) emissions associated with the proposed residential replacement site located on the northwest corner of Malaga Street and Mango Avenue (Mango Replacement Site) in the City of Fontana. Specifically, this analysis addresses the air quality impacts referenced in State CEQA Guidelines Section 15332(d).

Project Description

The project is proposing residential replacement sites for the development of residential dwelling units at two project sites within the City of Fontana in efforts to account for the potential residential dwelling units lost with the development of the proposed Sierra Avenue at Casa Grande Drive Warehouse. The two replacement sites are proposed within the City of Fontana and are shown on Exhibit 1. One replacement site is located on the northwest corner of the intersection of Mango Avenue at Malaga Street. The site is currently 5.69 acres and occupied by 14 existing residential dwelling units. The second replacement site, located on the northeast corner of the intersection of Palmetto Avenue at Arrow Boulevard (Palmetto Replacement Site), is mentioned in this memorandum yet analyzed a separate document.

The replacement of residential land uses due to the development of the Sierra Avenue at Casa Grande Drive Warehouse would result in the development of a maximum of 219 new residential dwelling units, in addition to the existing units on each site. The 219 dwelling units would be split proportionally between the two replacement sites as follows:

- **Malaga Street/Mango Avenue Site**: 195 new dwelling units
    - 14 existing dwelling units
    - 209 onsite total dwelling units

- Proposed Residential Designation: R-MF: Multi-Family Residential (12.1-24 du/ac) or WMXU-1: Walkable Mixed Use Corridor & Downtown (0.2-2 FAR, 3-39 du/ac)

- **Palmetto Avenue/Arrow Boulevard Site**: 24 new dwelling units
  - 8 existing dwelling units
  - 32 onsite total dwelling units
  - Proposed Residential Designation: R-MF: Multi-Family Residential (12.1-24 du/ac) or WMXU-1: Walkable Mixed Use Corridor & Downtown (0.2-2 FAR, 3-39 du/ac)

Air Quality Impacts

SCAQMD Thresholds

The SCAQMD CEQA Air Quality Handbook provides significance thresholds for volatile organic compounds (VOC) (also referred to as reactive organic gases [ROG]), nitrogen oxides (NO_X), carbon monoxide (CO), sulfur oxides (SO_X), particulate matter 10 microns or less in diameter (PM_{10}), and particulate matter 2.5 microns or less in diameter ($PM_{2.5}$). The thresholds apply to both project construction and operation within the SCAQMD jurisdictional boundaries. If the SCAQMD thresholds are exceeded, a potentially significant impact could result. However, ultimately the lead agency determines the thresholds of significance for impacts. If a project proposes development in excess of the established thresholds, as outlined in **Table 1: South Coast Air Quality Management District Significance Thresholds**, a significant air quality impact may occur and additional analysis is warranted to fully assess the significance of impacts.

Table 1: South Coast Air Quality Management District Significance Thresholds

Pollutant	Mass Daily Thresholds (pounds per day)	
	Construction	Operations
Nitrogen Oxides (NO_X)	100	55
Volatile Organic Compounds (VOC)[1]	75	55
Particulate Matter up to 10 Microns (PM_{10})	150	150
Particulate Matter up to 2.5 Microns ($PM_{2.5}$)	55	55
Sulphur Oxides (SO_X)	150	150
Carbon Monoxide (CO)	550	550

Notes:
1. VOCs and reactive organic gases (ROGs) are subsets of organic gases that are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. Although they represent slightly different subsets of organic gases, they are used interchangeably for the purposes of this analysis.

Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf

Construction Emissions

Construction associated with the proposed Project 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_X), PM_{10}, and $PM_{2.5}$. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from demolition, 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.

The project would demolish fourteen existing single-family dwellings on the 5.69-acre site and construct 126 multi-family units. Construction-generated emissions associated the proposed project were calculated using the CARB-approved California Emissions Estimator Model version 2016.3.2 (CalEEMod), which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A (Air Quality and GHG Data) for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the proposed project are identified in **Table 2: Project Construction Emissions**. Based on CalEEMod estimates, the Project is anticipated to take thirteen months to complete.

Table 2: Project Construction Emissions

Construction Year	Emissions (pounds per day)[1]					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Year 1	11.94	40.56	40.13	0.08	8.93	5.61
Year 2	11.52	30.72	39.26	0.08	3.68	1.97
SCAQMD Threshold	75	100	550	150	150	55
SCAQMD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:

1. SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; replace ground cover of area disturbed; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Table 2 shows that construction pollutant emissions would remain below their respective thresholds with implementation of required SCAQMD Rule 403. The project would also be required to comply with SCAQMD Rules 402 and 1113, which prohibit nuisances and limit VOC content in paints, respectively. Compliance with SCAQMD rules 402 and 1113 would further reduce specific construction-related emissions. As shown above, all criteria pollutant emissions would remain below their respective thresholds and impacts would be less than significant.

Operational Emissions

Operational emissions are typically associated with mobile sources (i.e., motor vehicle use) and area sources (such as the use of landscape maintenance equipment, hearths, consumer products, and architectural coatings). Energy source emissions would be generated from electricity and natural gas (non-hearth) usage. **Table 3: Operational Emissions** summarizes the operational emissions attributable to the proposed project. As shown in **Table 3,** the project's emissions would not exceed SCAQMD thresholds. Therefore, regional operations emissions would result in a less than significant long-term regional air quality impact.

Table 3: Operational Emissions

Source	Emissions (pounds per day)[1]					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Existing Emissions						
Area	4.25	0.30	8.28	0.02	1.08	1.08
Energy	0.01	0.11	0.05	<0.01	<0.01	<0.01
Mobile	0.80	2.53	5.21	0.01	1.03	0.29
Total	**5.06**	**2.94**	**13.54**	**0.03**	**2.11**	**1.37**
Proposed Emissions						
Area	5.36	3.15	18.52	0.02	0.33	0.33
Energy	0.10	0.82	0.35	0.01	0.07	0.07
Mobile	6.47	26.16	51.07	0.15	11.27	3.12
Total	**11.93**	**30.13**	**69.94**	**0.17**	**11.67**	**3.52**
Net Emissions	***6.87***	***27.19***	***56.40***	***0.14***	***9.56***	***2.15***
SCAQMD Threshold	55	55	550	150	150	55
SCAQMD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:
1. Emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod), as recommended by the SCAQMD. Worst-case seasonal maximum daily emissions are reported.

Localized Impacts

The nearest sensitive receptors to the project site are the residences to the north located adjacent to the Project site. To identify impacts to sensitive receptors, the SCAQMD recommends addressing Localized Significance Thresholds (LSTs) for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with project-specific level proposed projects.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, **Table 4: Equipment-Specific Grading Rates** is used to determine the maximum daily disturbed acreage for comparison to LSTs. For this project, the appropriate source receptor area (SRA) for the localized significance thresholds is the Central San Bernardino Valley (SRA 34) area since this area includes the project site. LSTs apply to NO_X, CO, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Based on the daily equipment modeled in CalEEMod, project construction is anticipated to disturb approximately 3.5 acres in a single day. Therefore, the construction LSTs for 3.5 acres has been interpolated for use in this analysis[1].

Table 4: Equipment-Specific Grading Rates

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Site Preparation	Crawler Tractor	4	0.5	8	2.0
	Graders	0	0.5	8	0
	Rubber-Tired Dozers	3	0.5	8	1.5
	Scrapers	0	1.0	8	0
				Total Acres Graded per Day	**3.5**

Source: CalEEMod version 2016.3.2.

The SCAQMD's methodology indicates that "off-site mobile emissions from the project should not be included in the emissions compared to LSTs." Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors to the project site are the residents located directly adjacent to Project site. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for the nearest receptors 25 meters were used following the SCAQMD LST methodology. **Table 5: Localized Significance of Construction Emissions**, presents the results of localized emissions during construction activity. **Table 5** shows that the emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during construction activities.

According to the SCAQMD localized significance threshold methodology, operational LSTs apply to on-site sources. LSTs for receptors located at 25 meters for SRA 34 were utilized in this analysis. The 5-acre LST threshold is conservatively used for the 5.69-acre project site. The operational emissions shown in **Table 5** include all on-site project-related stationary sources (i.e., area and energy sources). **Table 5** shows that the maximum daily emissions of these pollutants during operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

[1] LST thresholds for 3.5 acres were interpolated using the SCAQMD methodology document (SCAQMD, 2008).

Table 5: Localized Significance of Emissions – Maximum Pounds per Day				
Source/Activity	**Emissions (pounds per day)[1,2]**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Construction Emissions				
Demolition	31.44	21.57	2.01	1.51
Site Preparation	40.50	21.15	8.74	5.56
Grading	24.74	15.86	3.59	2.31
Building Construction, Paving, and Architectural Coating	31.88	33.05	1.73	1.61
Maximum Daily Emissions	*40.50*	*33.05*	*8.74*	*5.56*
SCAQMD Localized Screening Threshold (3.5 acres of disturbance at 25 meters)	220	1,339	11	6
Maximum Daily Emissions Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**
Operational Emissions				
On-Site Emissions (Area and Energy Sources)	0.45	10.55	0.08	0.08
SCAQMD Localized Screening Threshold (5 acres at 25 meters)	270	1,720	4	2
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**

Notes:
1. Emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod), as recommended by the SCAQMD. Worst-case seasonal maximum daily emissions are reported.
2. SCAQMD Rule 403 Fugitive Dust applied for construction emissions. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; replace ground cover of area disturbed; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model data outputs.

Carbon Monoxide Hotspots

An analysis of CO "hot spots" is needed to determine whether the change in the level of service (LOS) of an intersection from the proposed project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined.

Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard. An analysis prepared for CO attainment in the South Coast Air Basin by the SCAQMD can assist in evaluating the potential for CO exceedances. CO attainment was thoroughly analyzed as part of the SCAQMD's 2003 *Air Quality Management Plan*. The Basin was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD's AQMP.

The 2003 *Air Quality Management Plan* is the most recent AQMP that addresses CO concentrations. As part of the SCAQMD CO Hotspot analysis, the Wilshire Boulevard/Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 parts per million (ppm), which is well below the 35-ppm federal standard. The proposed project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's 2003 CO hot-spot analysis. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections from 922 daily vehicle trips attributable to the project (820 net new daily trips). Therefore, impacts would be less than significant in this regard.

Greenhouse Gas Emissions

The project would include direct and indirect GHG emissions from project construction and operations. Construction is considered a direct source since these emissions occur at the site. Direct operational-related GHG emissions for the proposed project would include emissions from area and mobile sources, while indirect emissions are from energy consumption, water demand, and solid waste.

Construction GHG Emissions

Construction of the project would result in direct emissions of CO_2, N_2O, and CH_4 from construction equipment and the transport of materials and construction workers to and from the project site.

Construction GHG emissions are typically summed and amortized over the lifetime of the project (assumed to be 30 years), then added to the operational emissions.[2] Total GHG emissions generated during all phases of construction were combined and are presented in **Table 6: Construction Greenhouse Gas Emissions**. The CalEEMod outputs are contained within Appendix A (Air Quality and GHG Data). As shown in **Table 6**, the project construction would result in 695.12 $MTCO_2e$ (approximately 23.17 $MTCO_2e$/year when amortized over 30 years).

Table 6: Construction Greenhouse Gas Emissions	
Construction	**$MTCO_2e$ per Year**
Total Construction	738.70
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model data outputs.	

Operational GHG Emissions

Operational or long-term emissions occur over the life of the proposed project. GHG emissions would result from direct emissions such as project generated vehicular traffic, on-site combustion of natural gas, operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power over the life of the project, the energy required to convey water to, and wastewater from the project site, the emissions associated with solid waste generated from the project site, and any fugitive refrigerants from air conditioning or refrigerators. **Table 7: Total Project Greenhouse Gas Emissions** summarizes the total GHG emissions associated with proposed project. As shown, the project would result in a net increase of 2,721.07 $MTCO_2e$/year over the existing emissions. The project would not result in an increase in GHG emissions that exceed the SCAQMD's screening threshold of 3,000 $MTCO_2e$/yr. Therefore, project-related GHG emissions would be less than significant.

Conclusion

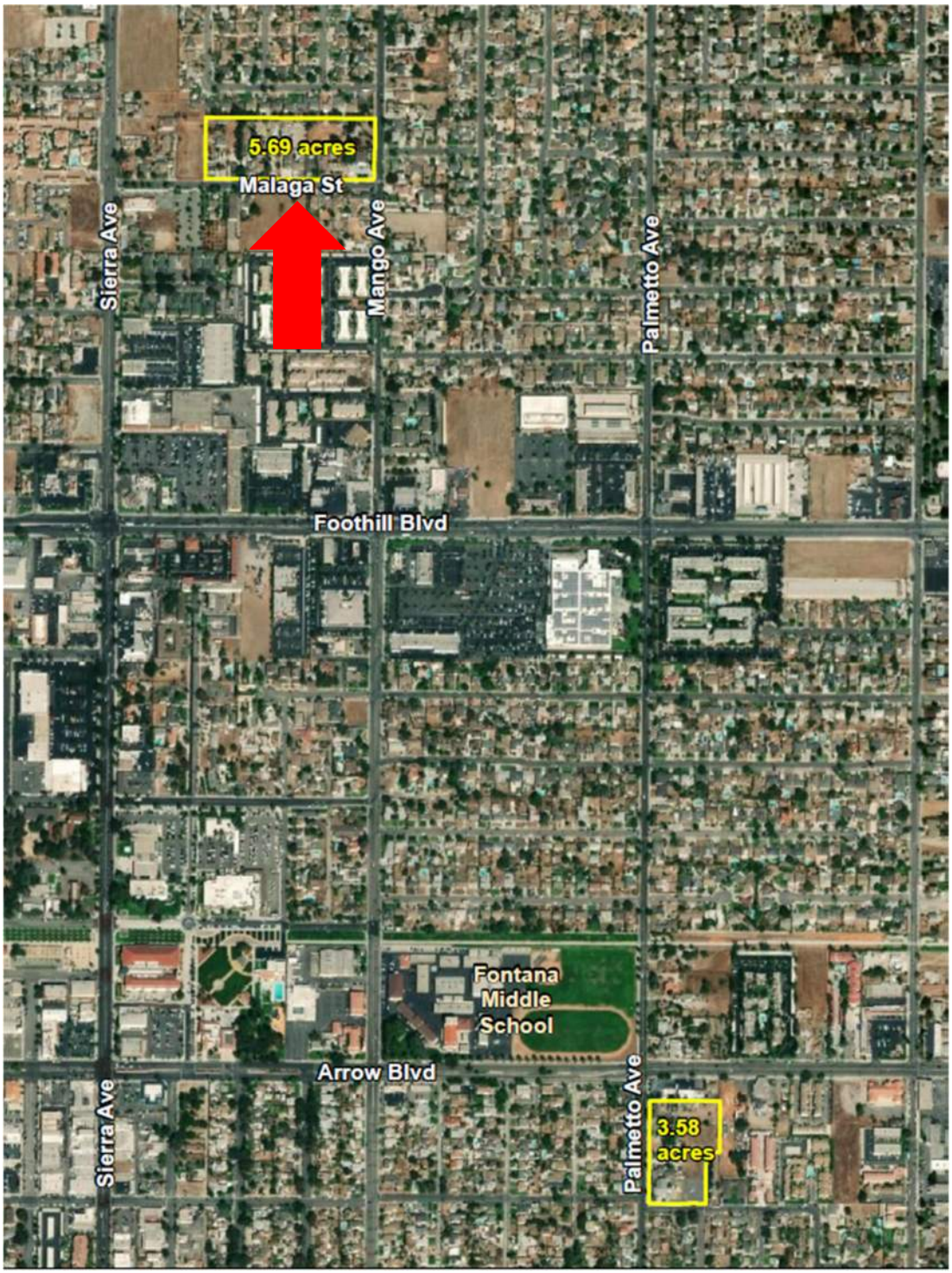
Project implementation would result in less than significant short- and long-term air quality and GHG impacts. No mitigation measures would be required. Therefore, the proposed project would not result in significant effects related to Section 15332(d) of the State CEQA Guidelines.

[2] The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13,* August 26, 2009).

Table 7: Total Project Greenhouse Gas Emissions	
Emissions Source	**$MTCO_2e$ per Year**
Existing Emissions	
Area Source	4.73
Energy	51.39
Mobile	222.87
Waste	8.25
Water & Wastewater	4.60
Total Existing Emissions	**291.83**
Proposed Emissions	
Construction Amortized over 30 Years	24.62
Area Source	3.61
Energy	331.72
Mobile	2,535,93
Waste	48.34
Water & Wastewater	68.67
Total Project Emissions[1]	**3,012.90**
Net Emissions[1]	***2,721.07***
SCAQMD Project Threshold	3,000.00
Threshold Exceeded?	**No**
Notes: 1. Totals may be slightly off due to rounding.	
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model data outputs.	

Kimley»Horn

Exhibit 1 - Project Location



Appendix A

Air Quality and GHG Data

Sierra Casa Grande - Existing Mango Site

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	14.00	Dwelling Unit	5.69	25,200.00	40

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra Casa Grande - Existing Mango Site - San Bernardino-South Coast County, Winter

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting

Land Use - Based on Traffic Memo, Lot Size is 5.69 acres

Construction Phase - Operation Model only no Construction

Demolition -

Vehicle Trips - CalEEMod trip error

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Energy Use -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblLandUse	LotAcreage	4.55	5.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.24
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tblVehicleEF	HHD	0.11	6.2010e-008
tblVehicleEF	HHD	3.46	56.78
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tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	61.71
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89

tblVehicleEF	HHD	0.01	0.09
tblVehicleEF	HHD	0.06	0.06
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tblVehicleEF	HHD	5.7000e-005	2.2490e-005
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tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.07	3.5466e-007

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tblVehicleEF	HHD	5.5000e-005	3.4971e-007
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
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tblVehicleEF	HHD	5.0000e-005	3.2155e-007
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tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93

tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1847e-003
tblVehicleEF	LDT1	7.9900e-004	6.6515e-004
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.66
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8172e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34

tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5655e-004
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	1.26
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6227e-003
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tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003

tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1414e-003
tblVehicleEF	LDT1	7.9800e-004	6.6532e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.63
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.50
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1747e-004
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5829e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.61
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6513e-003
tblVehicleEF	LDT2	8.4600e-004	7.0862e-004
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8726e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.52

tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3817e-003
tblVehicleEF	LDT2	8.5100e-004	7.1768e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.6977e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.27
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003

tblVehicleEF	LHD1	6.0360e-003	6.4472e-003
tblVehicleEF	LHD1	3.6200e-004	1.0164e-004
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tblVehicleEF	LHD1	0.11	0.08
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tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.8385e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	2.43
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tblVehicleEF	LHD1	614.92	661.62
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tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
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tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0370e-003	6.4475e-003
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tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
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tblVehicleEF	LHD1	0.01	6.7061e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	0.96

tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.26
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
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tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
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tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4472e-003
tblVehicleEF	LHD1	3.6100e-004	1.0153e-004
tblVehicleEF	LHD1	4.1760e-003	0.04

tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2410e-003	4.4729e-003
tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.20
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
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tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
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tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
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tblVehicleEF	LHD2	1.4000e-003	0.02
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tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.3190e-003	4.5208e-003
tblVehicleEF	LHD2	8.7380e-003	9.1365e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.57
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	7.61

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tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
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tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7100e-004	7.5288e-005
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2490e-003	4.4768e-003
tblVehicleEF	LHD2	9.0820e-003	9.4564e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7200e-004	7.5771e-005
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.00	2.35
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003

tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0989e-003
tblVehicleEF	MCY	6.9500e-004	6.0412e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98

tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0974e-003
tblVehicleEF	MCY	6.7100e-004	5.8599e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08

tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0901e-003
tblVehicleEF	MCY	6.8600e-004	6.0062e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98

tblVehicleEF	MDV	0.01	6.4815e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.42
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2168e-003
tblVehicleEF	MDV	1.1710e-003	8.8695e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.52
tblVehicleEF	MDV	0.02	7.2388e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.53
tblVehicleEF	MDV	2.99	2.87
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4569e-003
tblVehicleEF	MDV	1.1600e-003	8.7602e-004

tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3475e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.43
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59

tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1721e-003
tblVehicleEF	MDV	1.1700e-003	8.8718e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
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tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9062e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
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tblVehicleEF	MH	1,048.28	1,507.73
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tblVehicleEF	MH	1.50	1.42
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tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03

tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
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tblVehicleEF	MH	7.0900e-004	1.8803e-004
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tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
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tblVehicleEF	MH	59.91	19.27
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tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
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tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9071e-004
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tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9776e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
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tblVehicleEF	MHD	1,105.72	1,006.19
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tblVehicleEF	MHD	1.08	2.32
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tblVehicleEF	MHD	8.2200e-004	3.6519e-005
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tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
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tblVehicleEF	MHD	6.4400e-004	2.9599e-005
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tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3841e-003

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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0068e-003
tblVehicleEF	MHD	0.05	2.9712e-003
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tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
tblVehicleEF	MHD	164.29	793.74
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	2.96
tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003

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tblVehicleEF	MHD	6.3800e-004	2.9257e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003
tblVehicleEF	MHD	0.03	0.22
tblVehicleEF	MHD	1.6690e-003	4.8007e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
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tblVehicleEF	MHD	0.06	3.0729e-003
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tblVehicleEF	MHD	142.41	762.95
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99
tblVehicleEF	MHD	0.60	6.81
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38

tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003
tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
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tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	7.2255e-003
tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4300e-004	2.9551e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003
tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.39	0.02

tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	9.46
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	1.67
tblVehicleEF	OBUS	70.21	1,555.56
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.32	9.92
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.99
tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.0800e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.05	0.09

tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	1.3703e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	9.0271e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	8.98
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	1.56
tblVehicleEF	OBUS	73.34	1,565.29
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	9.1000e-005	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.39	0.08
tblVehicleEF	OBUS	7.1200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	1.3507e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8724e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.28	10.12
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	1.68
tblVehicleEF	OBUS	65.88	1,542.13
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.31	9.95
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99
tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.4100e-004	0.01

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	1.3709e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3513e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.64	28.74
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	2.56
tblVehicleEF	SBUS	1,270.71	3,328.19
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.78
tblVehicleEF	SBUS	12.46	30.54
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.01	0.04

tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4628e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4937e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.48	28.38
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	1.85

tblVehicleEF	SBUS	1,335.64	3,405.36
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	13.61
tblVehicleEF	SBUS	12.86	31.23
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.76
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.35
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.23	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3464e-004
tblVehicleEF	SBUS	5.9210e-003	0.03

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.96	4.83
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3427e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4820e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.2991e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6230e-003	1.0563e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4408e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47

tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	0.02	7.1139e-003
tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.5760e-003	1.0359e-004
tblVehicleEF	UBUS	0.02	7.1139e-003
tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3769e-003
tblVehicleEF	UBUS	9.80	34.75

tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6140e-003	1.0583e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04

tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.1503	19.3091	17.0572	0.0277	0.0623	1.1179	1.1802	0.0167	1.0511	1.0678	0.0000	2,631.2506	2,631.2506	0.6264	0.0000	2,646.9112
Maximum	**2.1503**	**19.3091**	**17.0572**	**0.0277**	**0.0623**	**1.1179**	**1.1802**	**0.0167**	**1.0511**	**1.0678**	**0.0000**	**2,631.2506**	**2,631.2506**	**0.6264**	**0.0000**	**2,646.9112**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.1503	19.3091	17.0572	0.0277	0.0623	1.1179	1.1802	0.0167	1.0511	1.0678	0.0000	2,631.2506	2,631.2506	0.6264	0.0000	2,646.9112
Maximum	**2.1503**	**19.3091**	**17.0572**	**0.0277**	**0.0623**	**1.1179**	**1.1802**	**0.0167**	**1.0511**	**1.0678**	**0.0000**	**2,631.2506**	**2,631.2506**	**0.6264**	**0.0000**	**2,646.9112**

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

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	4.2457	0.3038	8.2773	0.0182		1.0758	1.0758		1.0758	1.0758	131.1369	254.0797	385.2166	0.3931	8.9000e-003	397.6963
Energy	0.0127	0.1082	0.0460	6.9000e-004		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003		138.0648	138.0648	2.6500e-003	2.5300e-003	138.8853
Mobile	0.6324	2.5288	4.8381	0.0134	1.0054	0.0209	1.0262	0.2687	0.0207	0.2894		1,404.7053	1,404.7053	0.0904		1,406.9661
Total	**4.8908**	**2.9408**	**13.1614**	**0.0323**	**1.0054**	**1.1054**	**2.1108**	**0.2687**	**1.1053**	**1.3740**	**131.1369**	**1,796.8499**	**1,927.9867**	**0.4862**	**0.0114**	**1,943.5477**

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	4.2457	0.3038	8.2773	0.0182		1.0758	1.0758		1.0758	1.0758	131.1369	254.0797	385.2166	0.3931	8.9000e-003	397.6963
Energy	0.0127	0.1082	0.0460	6.9000e-004		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003		138.0648	138.0648	2.6500e-003	2.5300e-003	138.8853
Mobile	0.6324	2.5288	4.8381	0.0134	1.0054	0.0209	1.0262	0.2687	0.0207	0.2894		1,404.7053	1,404.7053	0.0904		1,406.9661
Total	**4.8908**	**2.9408**	**13.1614**	**0.0323**	**1.0054**	**1.1054**	**2.1108**	**0.2687**	**1.1053**	**1.3740**	**131.1369**	**1,796.8499**	**1,927.9867**	**0.4862**	**0.0114**	**1,943.5477**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/9/2020	6/9/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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
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

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
Building Construction	9	5.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2020

Unmitigated Construction On-Site

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

3.2 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2000e-003	0.1047	0.0238	2.6000e-004	6.4000e-003	4.9000e-004	6.9000e-003	1.8400e-003	4.7000e-004	2.3100e-003		27.5000	27.5000	2.0500e-003		27.5514
Worker	0.0273	0.0184	0.1848	5.1000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		50.6875	50.6875	1.5100e-003		50.7253
Total	**0.0305**	**0.1231**	**0.2087**	**7.7000e-004**	**0.0623**	**8.6000e-004**	**0.0632**	**0.0167**	**8.1000e-004**	**0.0175**		**78.1875**	**78.1875**	**3.5600e-003**		**78.2767**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.2 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2000e-003	0.1047	0.0238	2.6000e-004	6.4000e-003	4.9000e-004	6.9000e-003	1.8400e-003	4.7000e-004	2.3100e-003		27.5000	27.5000	2.0500e-003		27.5514
Worker	0.0273	0.0184	0.1848	5.1000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		50.6875	50.6875	1.5100e-003		50.7253
Total	**0.0305**	**0.1231**	**0.2087**	**7.7000e-004**	**0.0623**	**8.6000e-004**	**0.0632**	**0.0167**	**8.1000e-004**	**0.0175**		**78.1875**	**78.1875**	**3.5600e-003**		**78.2767**

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	0.6324	2.5288	4.8381	0.0134	1.0054	0.0209	1.0262	0.2687	0.0207	0.2894		1,404.7053	1,404.7053	0.0904		1,406.9661
Unmitigated	0.6324	2.5288	4.8381	0.0134	1.0054	0.0209	1.0262	0.2687	0.0207	0.2894		1,404.7053	1,404.7053	0.0904		1,406.9661

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	133.28	138.74	120.68	450,483	450,483
Total	133.28	138.74	120.68	450,483	450,483

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

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	0.0127	0.1082	0.0460	6.9000e-004		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003		138.0648	138.0648	2.6500e-003	2.5300e-003	138.8853
NaturalGas Unmitigated	0.0127	0.1082	0.0460	6.9000e-004		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003		138.0648	138.0648	2.6500e-003	2.5300e-003	138.8853

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					
Single Family Housing	1173.55	0.0127	0.1082	0.0460	6.9000e-004		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003		138.0648	138.0648	2.6500e-003	2.5300e-003	138.8853
Total		**0.0127**	**0.1082**	**0.0460**	**6.9000e-004**		**8.7400e-003**	**8.7400e-003**		**8.7400e-003**	**8.7400e-003**		**138.0648**	**138.0648**	**2.6500e-003**	**2.5300e-003**	**138.8853**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.17355	0.0127	0.1082	0.0460	6.9000e-004		8.7400e-003	8.7400e-003		8.7400e-003	8.7400e-003		138.0648	138.0648	2.6500e-003	2.5300e-003	138.8853
Total		**0.0127**	**0.1082**	**0.0460**	**6.9000e-004**		**8.7400e-003**	**8.7400e-003**		**8.7400e-003**	**8.7400e-003**		**138.0648**	**138.0648**	**2.6500e-003**	**2.5300e-003**	**138.8853**

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	4.2457	0.3038	8.2773	0.0182		1.0758	1.0758		1.0758	1.0758	131.1369	254.0797	385.2166	0.3931	8.9000e-003	397.6963
Unmitigated	4.2457	0.3038	8.2773	0.0182		1.0758	1.0758		1.0758	1.0758	131.1369	254.0797	385.2166	0.3931	8.9000e-003	397.6963

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	0.0432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4990					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.6685	0.2905	7.1197	0.0182		1.0694	1.0694		1.0694	1.0694	131.1369	252.0000	383.1369	0.3911	8.9000e-003	395.5661
Landscaping	0.0351	0.0134	1.1575	6.0000e-005		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003		2.0797	2.0797	2.0200e-003		2.1301
Total	**4.2457**	**0.3038**	**8.2773**	**0.0182**		**1.0758**	**1.0758**		**1.0758**	**1.0758**	**131.1369**	**254.0797**	**385.2166**	**0.3931**	**8.9000e-003**	**397.6963**

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	0.0432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4990					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.6685	0.2905	7.1197	0.0182		1.0694	1.0694		1.0694	1.0694	131.1369	252.0000	383.1369	0.3911	8.9000e-003	395.5661
Landscaping	0.0351	0.0134	1.1575	6.0000e-005		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003		2.0797	2.0797	2.0200e-003		2.1301
Total	**4.2457**	**0.3038**	**8.2773**	**0.0182**		**1.0758**	**1.0758**		**1.0758**	**1.0758**	**131.1369**	**254.0797**	**385.2166**	**0.3931**	**8.9000e-003**	**397.6963**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Existing Mango Site

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	14.00	Dwelling Unit	5.69	25,200.00	40

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra Casa Grande - Existing Mango Site - San Bernardino-South Coast County, Annual

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting

Land Use - Based on Traffic Memo, Lot Size is 5.69 acres

Construction Phase - Operation Model only no Construction

Demolition -

Vehicle Trips - CalEEMod trip error

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Energy Use -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblLandUse	LotAcreage	4.55	5.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	6.2010e-008
tblVehicleEF	HHD	3.46	56.78
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	1.3628e-003
tblVehicleEF	HHD	6,983.95	11,131.44
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	61.71
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89

tblVehicleEF	HHD	0.01	0.09
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005
tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	0.89	4.44
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.06	3.2392e-007
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2225e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005
tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	1.02	5.09
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.07	3.5466e-007

tblVehicleEF	HHD	1.17	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	5.9158e-008
tblVehicleEF	HHD	2.52	55.32
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tblVehicleEF	HHD	1.80	1.2866e-003
tblVehicleEF	HHD	7,395.94	11,121.59
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	60.22
tblVehicleEF	HHD	2.70	3.82
tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
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tblVehicleEF	HHD	0.09	0.13

tblVehicleEF	HHD	2.4800e-004	3.0699e-004
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tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	1.2106e-007
tblVehicleEF	HHD	1.8400e-004	7.4933e-005
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tblVehicleEF	HHD	1.2900e-004	5.0009e-005
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tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	6.1659e-008
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tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.89	1.3521e-003
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tblVehicleEF	HHD	1,493.95	1,530.36
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tblVehicleEF	HHD	2.83	3.98
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.02	0.10
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.02	0.09
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	9.4000e-005	4.0516e-005
tblVehicleEF	HHD	3.7830e-003	7.0570e-005
tblVehicleEF	HHD	0.96	4.20
tblVehicleEF	HHD	5.6000e-005	2.3980e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.5900e-004	3.1321e-004
tblVehicleEF	HHD	0.06	3.2212e-007
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2209e-007
tblVehicleEF	HHD	9.4000e-005	4.0516e-005
tblVehicleEF	HHD	3.7830e-003	7.0570e-005
tblVehicleEF	HHD	1.10	4.81
tblVehicleEF	HHD	5.6000e-005	2.3980e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	3.1321e-004
tblVehicleEF	HHD	0.07	3.5268e-007
tblVehicleEF	LDA	4.6640e-003	2.8723e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73

tblVehicleEF	LDA	1.32	2.18
tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.44
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.20
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6841e-003
tblVehicleEF	LDA	6.1500e-004	5.4865e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27

tblVehicleEF	LDA	5.3170e-003	3.2405e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82
tblVehicleEF	LDA	59.28	54.78
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
tblVehicleEF	LDA	0.10	0.57
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9069e-003
tblVehicleEF	LDA	6.1100e-004	5.4209e-004
tblVehicleEF	LDA	0.10	0.57
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8134e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.45
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6427e-003
tblVehicleEF	LDA	6.1500e-004	5.4876e-004

tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7916e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93

tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1847e-003
tblVehicleEF	LDT1	7.9900e-004	6.6515e-004
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.66
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8172e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34

tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5655e-004
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	1.26
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6227e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003

tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1414e-003
tblVehicleEF	LDT1	7.9800e-004	6.6532e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.63
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.50
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1747e-004
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5829e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.61
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6513e-003
tblVehicleEF	LDT2	8.4600e-004	7.0862e-004
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8726e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.52

tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3817e-003
tblVehicleEF	LDT2	8.5100e-004	7.1768e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.6977e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.27
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003

tblVehicleEF	LHD1	6.0360e-003	6.4472e-003
tblVehicleEF	LHD1	3.6200e-004	1.0164e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.8385e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	0.91
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	10.18
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0370e-003	6.4475e-003
tblVehicleEF	LHD1	3.5800e-004	1.0075e-004
tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	5.4860e-003	0.07
tblVehicleEF	LHD1	0.01	6.7061e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	0.96

tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.26
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4472e-003
tblVehicleEF	LHD1	3.6100e-004	1.0153e-004
tblVehicleEF	LHD1	4.1760e-003	0.04

tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2410e-003	4.4729e-003
tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.20
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7300e-004	7.5837e-005
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.3190e-003	4.5208e-003
tblVehicleEF	LHD2	8.7380e-003	9.1365e-003
tblVehicleEF	LHD2	0.12	1.91
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tblVehicleEF	LHD2	1.21	0.57
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	7.61

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tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7100e-004	7.5288e-005
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2490e-003	4.4768e-003
tblVehicleEF	LHD2	9.0820e-003	9.4564e-003
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tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7200e-004	7.5771e-005
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.00	2.35
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003

tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0989e-003
tblVehicleEF	MCY	6.9500e-004	6.0412e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98

tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0974e-003
tblVehicleEF	MCY	6.7100e-004	5.8599e-004
tblVehicleEF	MCY	3.14	5.54
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tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08

tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0901e-003
tblVehicleEF	MCY	6.8600e-004	6.0062e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98

tblVehicleEF	MDV	0.01	6.4815e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.42
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2168e-003
tblVehicleEF	MDV	1.1710e-003	8.8695e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.52
tblVehicleEF	MDV	0.02	7.2388e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.53
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tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4569e-003
tblVehicleEF	MDV	1.1600e-003	8.7602e-004

tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3475e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.43
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59

tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1721e-003
tblVehicleEF	MDV	1.1700e-003	8.8718e-004
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tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
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tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9062e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.05
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tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03

tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8803e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.27
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9071e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9776e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.36
tblVehicleEF	MHD	155.10	780.82
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99

tblVehicleEF	MHD	0.63	6.91
tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
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tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	4.1800e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
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tblVehicleEF	MHD	7.1400e-004	2.3841e-003
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tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4400e-004	2.9599e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3841e-003

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tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0068e-003
tblVehicleEF	MHD	0.05	2.9712e-003
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tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
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tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003

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tblVehicleEF	MHD	6.3800e-004	2.9257e-005
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tblVehicleEF	MHD	11.73	1.38

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tblVehicleEF	UBUS	0.09	9.3769e-003
tblVehicleEF	UBUS	9.80	34.75

tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6140e-003	1.0583e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04

tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.0700e-003	9.6600e-003	8.5300e-003	1.0000e-005	3.0000e-005	5.6000e-004	5.9000e-004	1.0000e-005	5.3000e-004	5.3000e-004	0.0000	1.1943	1.1943	2.8000e-004	0.0000	1.2014
Maximum	**1.0700e-003**	**9.6600e-003**	**8.5300e-003**	**1.0000e-005**	**3.0000e-005**	**5.6000e-004**	**5.9000e-004**	**1.0000e-005**	**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1943**	**1.1943**	**2.8000e-004**	**0.0000**	**1.2014**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.0700e-003	9.6600e-003	8.5300e-003	1.0000e-005	3.0000e-005	5.6000e-004	5.9000e-004	1.0000e-005	5.3000e-004	5.3000e-004	0.0000	1.1943	1.1943	2.8000e-004	0.0000	1.2014
Maximum	**1.0700e-003**	**9.6600e-003**	**8.5300e-003**	**1.0000e-005**	**3.0000e-005**	**5.6000e-004**	**5.9000e-004**	**1.0000e-005**	**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1943**	**1.1943**	**2.8000e-004**	**0.0000**	**1.2014**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-31-2020**	**6-29-2020**	0.0077	0.0077
		Highest	0.0077	0.0077

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	0.1492	5.3000e-003	0.2337	2.3000e-004		0.0142	0.0142		0.0142	0.0142	1.4871	3.0935	4.5805	4.6600e-003	1.0000e-004	4.7272
Energy	2.3100e-003	0.0197	8.4000e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	51.1122	51.1122	2.0400e-003	7.5000e-004	51.3871
Mobile	0.1090	0.4354	0.8480	2.3400e-003	0.1712	3.5800e-003	0.1748	0.0458	3.5600e-003	0.0494	0.0000	222.5115	222.5115	0.0143	0.0000	222.8685
Waste						0.0000	0.0000		0.0000	0.0000	3.3291	0.0000	3.3291	0.1967	0.0000	8.2476
Water						0.0000	0.0000		0.0000	0.0000	0.2894	4.2292	4.5186	0.0300	7.5000e-004	5.4916
Total	**0.2605**	**0.4605**	**1.0901**	**2.7000e-003**	**0.1712**	**0.0194**	**0.1905**	**0.0458**	**0.0193**	**0.0652**	**5.1055**	**280.9463**	**286.0518**	**0.2477**	**1.6000e-003**	**292.7219**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1492	5.3000e-003	0.2337	2.3000e-004		0.0142	0.0142		0.0142	0.0142	1.4871	3.0935	4.5805	4.6600e-003	1.0000e-004	4.7272
Energy	2.3100e-003	0.0197	8.4000e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	51.1122	51.1122	2.0400e-003	7.5000e-004	51.3871
Mobile	0.1090	0.4354	0.8480	2.3400e-003	0.1712	3.5800e-003	0.1748	0.0458	3.5600e-003	0.0494	0.0000	222.5115	222.5115	0.0143	0.0000	222.8685
Waste						0.0000	0.0000		0.0000	0.0000	3.3291	0.0000	3.3291	0.1967	0.0000	8.2476
Water						0.0000	0.0000		0.0000	0.0000	0.2315	3.5890	3.8205	0.0240	6.0000e-004	4.5999
Total	**0.2605**	**0.4605**	**1.0901**	**2.7000e-003**	**0.1712**	**0.0194**	**0.1905**	**0.0458**	**0.0193**	**0.0652**	**5.0476**	**280.3061**	**285.3537**	**0.2417**	**1.4500e-003**	**291.8302**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.13**	**0.23**	**0.24**	**2.41**	**9.38**	**0.30**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/9/2020	6/9/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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
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

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
Building Construction	9	5.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0600e-003	9.5900e-003	8.4200e-003	1.0000e-005		5.6000e-004	5.6000e-004		5.3000e-004	5.3000e-004	0.0000	1.1581	1.1581	2.8000e-004	0.0000	1.1651
Total	**1.0600e-003**	**9.5900e-003**	**8.4200e-003**	**1.0000e-005**		**5.6000e-004**	**5.6000e-004**		**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1581**	**1.1581**	**2.8000e-004**	**0.0000**	**1.1651**

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	5.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0000	0.0000	0.0128
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0235	0.0235	0.0000	0.0000	0.0235
Total	**1.0000e-005**	**6.0000e-005**	**1.1000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0363**	**0.0363**	**0.0000**	**0.0000**	**0.0363**

3.2 Building Construction - 2020

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	1.0600e-003	9.5900e-003	8.4200e-003	1.0000e-005		5.6000e-004	5.6000e-004		5.3000e-004	5.3000e-004	0.0000	1.1581	1.1581	2.8000e-004	0.0000	1.1651
Total	**1.0600e-003**	**9.5900e-003**	**8.4200e-003**	**1.0000e-005**		**5.6000e-004**	**5.6000e-004**		**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1581**	**1.1581**	**2.8000e-004**	**0.0000**	**1.1651**

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	5.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0000	0.0000	0.0128
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0235	0.0235	0.0000	0.0000	0.0235
Total	**1.0000e-005**	**6.0000e-005**	**1.1000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0363**	**0.0363**	**0.0000**	**0.0000**	**0.0363**

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	0.1090	0.4354	0.8480	2.3400e-003	0.1712	3.5800e-003	0.1748	0.0458	3.5600e-003	0.0494	0.0000	222.5115	222.5115	0.0143	0.0000	222.8685
Unmitigated	0.1090	0.4354	0.8480	2.3400e-003	0.1712	3.5800e-003	0.1748	0.0458	3.5600e-003	0.0494	0.0000	222.5115	222.5115	0.0143	0.0000	222.8685

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	133.28	138.74	120.68	450,483	450,483
Total	133.28	138.74	120.68	450,483	450,483

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

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	28.2540	28.2540	1.6100e-003	3.3000e-004	28.3931
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	28.2540	28.2540	1.6100e-003	3.3000e-004	28.3931
NaturalGas Mitigated	2.3100e-003	0.0197	8.4000e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	22.8582	22.8582	4.4000e-004	4.2000e-004	22.9940
NaturalGas Unmitigated	2.3100e-003	0.0197	8.4000e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	22.8582	22.8582	4.4000e-004	4.2000e-004	22.9940

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	428346	2.3100e-003	0.0197	8.4000e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	22.8582	22.8582	4.4000e-004	4.2000e-004	22.9940
Total		**2.3100e-003**	**0.0197**	**8.4000e-003**	**1.3000e-004**		**1.6000e-003**	**1.6000e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**22.8582**	**22.8582**	**4.4000e-004**	**4.2000e-004**	**22.9940**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	428346	2.3100e-003	0.0197	8.4000e-003	1.3000e-004		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	22.8582	22.8582	4.4000e-004	4.2000e-004	22.9940
Total		**2.3100e-003**	**0.0197**	**8.4000e-003**	**1.3000e-004**		**1.6000e-003**	**1.6000e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**22.8582**	**22.8582**	**4.4000e-004**	**4.2000e-004**	**22.9940**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	122031	28.2540	1.6100e-003	3.3000e-004	28.3931
Total		**28.2540**	**1.6100e-003**	**3.3000e-004**	**28.3931**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	122031	28.2540	1.6100e-003	3.3000e-004	28.3931
Total		**28.2540**	**1.6100e-003**	**3.3000e-004**	**28.3931**

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	0.1492	5.3000e-003	0.2337	2.3000e-004		0.0142	0.0142		0.0142	0.0142	1.4871	3.0935	4.5805	4.6600e-003	1.0000e-004	4.7272
Unmitigated	0.1492	5.3000e-003	0.2337	2.3000e-004		0.0142	0.0142		0.0142	0.0142	1.4871	3.0935	4.5805	4.6600e-003	1.0000e-004	4.7272

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	7.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0911					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0459	3.6300e-003	0.0890	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.4871	2.8576	4.3447	4.4300e-003	1.0000e-004	4.4856
Landscaping	4.3800e-003	1.6700e-003	0.1447	1.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	0.2358	0.2358	2.3000e-004	0.0000	0.2416
Total	**0.1492**	**5.3000e-003**	**0.2337**	**2.4000e-004**		**0.0142**	**0.0142**		**0.0142**	**0.0142**	**1.4871**	**3.0935**	**4.5805**	**4.6600e-003**	**1.0000e-004**	**4.7272**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0911					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0459	3.6300e-003	0.0890	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.4871	2.8576	4.3447	4.4300e-003	1.0000e-004	4.4856
Landscaping	4.3800e-003	1.6700e-003	0.1447	1.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	0.2358	0.2358	2.3000e-004	0.0000	0.2416
Total	**0.1492**	**5.3000e-003**	**0.2337**	**2.4000e-004**		**0.0142**	**0.0142**		**0.0142**	**0.0142**	**1.4871**	**3.0935**	**4.5805**	**4.6600e-003**	**1.0000e-004**	**4.7272**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.8205	0.0240	6.0000e-004	4.5999
Unmitigated	4.5186	0.0300	7.5000e-004	5.4916

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.912156 / 0.575055	4.5186	0.0300	7.5000e-004	5.4916
Total		**4.5186**	**0.0300**	**7.5000e-004**	**5.4916**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.729725 / 0.539977	3.8205	0.0240	6.0000e-004	4.5999
Total		**3.8205**	**0.0240**	**6.0000e-004**	**4.5999**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.3291	0.1967	0.0000	8.2476
Unmitigated	3.3291	0.1967	0.0000	8.2476

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	16.4	3.3291	0.1967	0.0000	8.2476
Total		**3.3291**	**0.1967**	**0.0000**	**8.2476**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	16.4	3.3291	0.1967	0.0000	8.2476
Total		**3.3291**	**0.1967**	**0.0000**	**8.2476**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Mango Ave - Replacement Site

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	209.00	Dwelling Unit	5.69	209,000.00	598

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - based on Traffic Memo, lot size is 5.69 acres

Construction Phase - Building Construction, Paving, and Architectural Coating activities are expected to overlap.

Demolition - default squarefootage determined for existing site based on 14 single family units

Architectural Coating -

Vehicle Trips - Based on Traffic Memo, 7.32, CalEEMod trip % error

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Woodstoves - No wood burning per SCAQMD 445

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - RULE 402

Area Mitigation -

Energy Mitigation - CEC - homes built under 2019 standards will use about 53% less energy than those under the 2016 standard

Water Mitigation - Low flow fixtures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	174.00
tblConstructionPhase	NumDays	20.00	174.00
tblFireplaces	NumberWood	10.45	0.00
tblLandUse	LotAcreage	13.06	5.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44

tblVehicleEF	HHD	1.21	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	60.12
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	1.3410e-003
tblVehicleEF	HHD	6,933.41	11,330.49
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	26.50	61.17
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.11
tblVehicleEF	HHD	9.7780e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
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tblVehicleEF	HHD	0.08	0.08

tblVehicleEF	HHD	2.1700e-004	2.8000e-004
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tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
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tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.14	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
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tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	0.01	0.04
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
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tblVehicleEF	HHD	0.06	0.11

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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
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tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.61
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
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tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
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tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
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tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.07	0.45
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tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8300e-004
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45

tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	329.34
tblVehicleEF	LDT2	79.39	69.92
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.43
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tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.12	0.37

tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	0.93
tblVehicleEF	LHD1	9.23	128.40
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	10.08
tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.29
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.27	0.07

tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.0000e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.88
tblVehicleEF	LHD1	9.23	128.40
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	10.00
tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01

tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	7.3080e-003	0.07
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	4.1220e-003	0.04
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.50
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	9.9000e-005
tblVehicleEF	LHD1	7.3080e-003	0.07
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	4.1220e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.50
tblVehicleEF	LHD1	0.28	0.07
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	0.92
tblVehicleEF	LHD1	9.23	128.40

tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	10.07
tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.7940e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.54
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.0000e-004
tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.7940e-003	0.02

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tblVehicleEF	LHD1	0.38	0.54
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	8.8770e-003
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tblVehicleEF	LHD2	1.20	0.57
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.45
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.0300e-004	0.01

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	7.4000e-005
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	8.5350e-003
tblVehicleEF	LHD2	0.12	1.89
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.54
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.40
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tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.18
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	7.3000e-005
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
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tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	8.8340e-003
tblVehicleEF	LHD2	0.12	1.89

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tblVehicleEF	LHD2	1.19	0.57
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tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.44
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3460e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
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tblVehicleEF	LHD2	1.3460e-003	0.02

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004

tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.00	2.28
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004

tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.00	2.31
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004

tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.13
tblVehicleEF	MDV	3.25	3.24
tblVehicleEF	MDV	483.94	412.47
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tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5700e-004
tblVehicleEF	MDV	0.10	0.52

tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.71
tblVehicleEF	MDV	526.85	435.67
tblVehicleEF	MDV	107.92	85.59
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.03
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.37
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4700e-004
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19

tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.25
tblVehicleEF	MDV	473.93	408.15
tblVehicleEF	MDV	107.92	86.67
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5800e-004
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.07	1.31
tblVehicleEF	MH	6.43	2.11
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.89
tblVehicleEF	MH	1.54	1.48
tblVehicleEF	MH	0.91	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.8700e-004
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.19	1.34
tblVehicleEF	MH	5.84	1.97
tblVehicleEF	MH	1,045.05	1,487.74
tblVehicleEF	MH	59.49	18.64
tblVehicleEF	MH	1.41	1.37
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
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tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.34	0.09
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tblVehicleEF	MH	6.9700e-004	1.8400e-004
tblVehicleEF	MH	2.91	0.20

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.49
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tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.08	1.31
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tblVehicleEF	MH	0.04	0.03
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tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.8700e-004

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tblVehicleEF	MH	0.15	0.09
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tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9450e-003
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tblVehicleEF	MHD	3.6900e-004	0.01
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tblVehicleEF	MHD	7.0300e-004	3.2000e-005
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tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.02	0.16

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tblVehicleEF	MHD	0.32	0.02
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tblVehicleEF	MHD	6.1700e-004	2.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
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tblVehicleEF	MHD	11.85	1.62
tblVehicleEF	MHD	3.2500e-004	0.01

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tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.02	0.15
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.30	0.01
tblVehicleEF	MHD	1.5950e-003	7.2500e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	2.8000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
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tblVehicleEF	MHD	0.01	9.2620e-003
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tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	6.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
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tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.94
tblVehicleEF	SBUS	11.19	28.66
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	1.4800e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.98	4.87
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003

tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.1680e-003
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.80
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.61
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.0500e-004

tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	8.3240e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.68
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.41
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04

tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.0300e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.03
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2430e-003
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.81
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.63
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003

tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.0500e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	10.45	0.00
tblWoodstoves	NumberNoncatalytic	10.45	0.00

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					
2021	11.9390	40.5536	41.5179	0.0801	18.2675	2.0458	20.3132	9.9840	1.8821	11.8661	0.0000	7,801.5763	7,801.5763	1.4495	0.0000	7,837.8132
2022	11.5078	30.7118	40.5425	0.0792	2.3205	1.4752	3.7958	0.6186	1.3807	1.9994	0.0000	7,720.9933	7,720.9933	1.4369	0.0000	7,756.9167
Maximum	**11.9390**	**40.5536**	**41.5179**	**0.0801**	**18.2675**	**2.0458**	**20.3132**	**9.9840**	**1.8821**	**11.8661**	**0.0000**	**7,801.5763**	**7,801.5763**	**1.4495**	**0.0000**	**7,837.8132**

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					
2021	11.9390	40.5536	41.5179	0.0801	6.8843	2.0458	8.9300	3.7301	1.8821	5.6122	0.0000	7,801.5763	7,801.5763	1.4495	0.0000	7,837.8131
2022	11.5078	30.7118	40.5425	0.0792	2.2008	1.4752	3.6761	0.5892	1.3807	1.9700	0.0000	7,720.9933	7,720.9933	1.4369	0.0000	7,756.9167
Maximum	**11.9390**	**40.5536**	**41.5179**	**0.0801**	**6.8843**	**2.0458**	**8.9300**	**3.7301**	**1.8821**	**5.6122**	**0.0000**	**7,801.5763**	**7,801.5763**	**1.4495**	**0.0000**	**7,837.8131**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.87**	**0.00**	**47.71**	**59.26**	**0.00**	**45.32**	**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	5.3627	3.1460	18.5153	0.0197		0.3336	0.3336		0.3336	0.3336	0.0000	3,793.0475	3,793.0475	0.1021	0.0690	3,816.1520
Energy	0.0962	0.8219	0.3497	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,049.1766	1,049.1766	0.0201	0.0192	1,055.4114
Mobile	8.2200	24.7141	54.8171	0.1525	11.1236	0.1465	11.2701	2.9728	0.1478	3.1207		15,963.9496	15,963.9496	0.9449		15,987.5720
Total	**13.6789**	**28.6819**	**73.6821**	**0.1775**	**11.1236**	**0.5466**	**11.6702**	**2.9728**	**0.5479**	**3.5208**	**0.0000**	**20,806.1737**	**20,806.1737**	**1.0671**	**0.0882**	**20,859.1354**

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	5.0179	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954	0.0000	31.0475	31.0475	0.0300	0.0000	31.7963
Energy	0.0649	0.5549	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4049	708.4049	0.0136	0.0130	712.6146
Mobile	8.2200	24.7141	54.8171	0.1525	11.1236	0.1465	11.2701	2.9728	0.1478	3.1207		15,963.9496	15,963.9496	0.9449		15,987.5720
Total	**13.3028**	**25.4681**	**72.3145**	**0.1570**	**11.1236**	**0.2868**	**11.4103**	**2.9728**	**0.2881**	**3.2609**	**0.0000**	**16,703.4020**	**16,703.4020**	**0.9884**	**0.0130**	**16,731.9829**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**2.75**	**11.21**	**1.86**	**11.56**	**0.00**	**47.54**	**2.23**	**0.00**	**47.42**	**7.38**	**0.00**	**19.72**	**19.72**	**7.37**	**85.27**	**19.79**

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	1/4/2021	1/29/2021	5	20	
2	Site Preparation	Site Preparation	1/30/2021	2/12/2021	5	10	
3	Grading	Grading	2/13/2021	3/12/2021	5	20	
4	Building Construction	Building Construction	3/13/2021	1/28/2022	5	230	
5	Paving	Paving	6/1/2021	1/28/2022	5	174	
6	Architectural Coating	Architectural Coating	6/1/2021	1/28/2022	5	174	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 423,225; Residential Outdoor: 141,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sierra Casa Grande - Mango Ave - Replacement Site - San Bernardino-South Coast County, Summer

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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	115.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	150.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2403	0.0000	1.2403	0.1878	0.0000	0.1878			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.2403**	**1.5513**	**2.7916**	**0.1878**	**1.4411**	**1.6289**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0342	1.3115	0.2031	4.4700e-003	0.1006	3.7100e-003	0.1043	0.0276	3.5500e-003	0.0311		474.4841	474.4841	0.0254		475.1199
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.1104**	**1.3586**	**0.8241**	**6.1200e-003**	**0.2683**	**4.7800e-003**	**0.2731**	**0.0721**	**4.5400e-003**	**0.0766**		**638.5962**	**638.5962**	**0.0301**		**639.3488**

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					0.4595	0.0000	0.4595	0.0696	0.0000	0.0696			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.4595**	**1.5513**	**2.0109**	**0.0696**	**1.4411**	**1.5107**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.0342	1.3115	0.2031	4.4700e-003	0.0961	3.7100e-003	0.0998	0.0265	3.5500e-003	0.0300		474.4841	474.4841	0.0254		475.1199
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.1104**	**1.3586**	**0.8241**	**6.1200e-003**	**0.2550**	**4.7800e-003**	**0.2598**	**0.0688**	**4.5400e-003**	**0.0733**		**638.5962**	**638.5962**	**0.0301**		**639.3488**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**6.6936**	**2.0445**	**8.7380**	**3.6793**	**1.8809**	**5.5602**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.1907	1.2900e-003	0.1920	0.0508	1.1900e-003	0.0520		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.1907**	**1.2900e-003**	**0.1920**	**0.0508**	**1.1900e-003**	**0.0520**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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					2.4276	0.0000	2.4276	1.2477	0.0000	1.2477			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**2.4276**	**1.1599**	**3.5876**	**1.2477**	**1.0671**	**2.3148**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0569	2.1216	0.3992	5.9300e-003	0.1409	3.6400e-003	0.1445	0.0406	3.4800e-003	0.0441		626.0965	626.0965	0.0396		627.0856
Worker	0.7621	0.4711	6.2098	0.0165	1.6767	0.0107	1.6874	0.4447	9.8800e-003	0.4545		1,641.1208	1,641.1208	0.0467		1,642.2885
Total	**0.8191**	**2.5927**	**6.6090**	**0.0224**	**1.8176**	**0.0144**	**1.8319**	**0.4852**	**0.0134**	**0.4986**		**2,267.2173**	**2,267.2173**	**0.0863**		**2,269.3741**

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0569	2.1216	0.3992	5.9300e-003	0.1349	3.6400e-003	0.1385	0.0391	3.4800e-003	0.0426		626.0965	626.0965	0.0396		627.0856
Worker	0.7621	0.4711	6.2098	0.0165	1.5892	0.0107	1.5999	0.4232	9.8800e-003	0.4331		1,641.1208	1,641.1208	0.0467		1,642.2885
Total	**0.8191**	**2.5927**	**6.6090**	**0.0224**	**1.7241**	**0.0144**	**1.7384**	**0.4623**	**0.0134**	**0.4756**		**2,267.2173**	**2,267.2173**	**0.0863**		**2,269.3741**

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
Total	**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**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	2.0122	0.3691	5.8900e-003	0.1409	3.0600e-003	0.1440	0.0406	2.9200e-003	0.0435		621.0767	621.0767	0.0382		622.0316
Worker	0.7117	0.4236	5.7046	0.0159	1.6767	0.0104	1.6871	0.4447	9.5900e-003	0.4542		1,581.9036	1,581.9036	0.0419		1,582.9510
Total	**0.7648**	**2.4357**	**6.0737**	**0.0218**	**1.8176**	**0.0135**	**1.8310**	**0.4852**	**0.0125**	**0.4977**		**2,202.9803**	**2,202.9803**	**0.0801**		**2,204.9826**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	2.0122	0.3691	5.8900e-003	0.1349	3.0600e-003	0.1379	0.0391	2.9200e-003	0.0420		621.0767	621.0767	0.0382		622.0316
Worker	0.7117	0.4236	5.7046	0.0159	1.5892	0.0104	1.5996	0.4232	9.5900e-003	0.4328		1,581.9036	1,581.9036	0.0419		1,582.9510
Total	**0.7648**	**2.4357**	**6.0737**	**0.0218**	**1.7241**	**0.0135**	**1.7375**	**0.4623**	**0.0125**	**0.4748**		**2,202.9803**	**2,202.9803**	**0.0801**		**2,204.9826**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Paving - 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0712	0.0424	0.5705	1.5900e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		158.1904	158.1904	4.1900e-003		158.2951
Total	**0.0712**	**0.0424**	**0.5705**	**1.5900e-003**	**0.1677**	**1.0400e-003**	**0.1687**	**0.0445**	**9.6000e-004**	**0.0454**		**158.1904**	**158.1904**	**4.1900e-003**		**158.2951**

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0712	0.0424	0.5705	1.5900e-003	0.1589	1.0400e-003	0.1600	0.0423	9.6000e-004	0.0433		158.1904	158.1904	4.1900e-003		158.2951
Total	**0.0712**	**0.0424**	**0.5705**	**1.5900e-003**	**0.1589**	**1.0400e-003**	**0.1600**	**0.0423**	**9.6000e-004**	**0.0433**		**158.1904**	**158.1904**	**4.1900e-003**		**158.2951**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**7.7348**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1524	0.0942	1.2420	3.3000e-003	0.3353	2.1400e-003	0.3375	0.0889	1.9800e-003	0.0909		328.2242	328.2242	9.3400e-003		328.4577
Total	**0.1524**	**0.0942**	**1.2420**	**3.3000e-003**	**0.3353**	**2.1400e-003**	**0.3375**	**0.0889**	**1.9800e-003**	**0.0909**		**328.2242**	**328.2242**	**9.3400e-003**		**328.4577**

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	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**7.7348**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1524	0.0942	1.2420	3.3000e-003	0.3178	2.1400e-003	0.3200	0.0846	1.9800e-003	0.0866		328.2242	328.2242	9.3400e-003		328.4577
Total	**0.1524**	**0.0942**	**1.2420**	**3.3000e-003**	**0.3178**	**2.1400e-003**	**0.3200**	**0.0846**	**1.9800e-003**	**0.0866**		**328.2242**	**328.2242**	**9.3400e-003**		**328.4577**

3.7 Architectural Coating - 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					
Archit. Coating	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.7204**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1424	0.0847	1.1409	3.1800e-003	0.3353	2.0800e-003	0.3374	0.0889	1.9200e-003	0.0909		316.3807	316.3807	8.3800e-003		316.5902
Total	**0.1424**	**0.0847**	**1.1409**	**3.1800e-003**	**0.3353**	**2.0800e-003**	**0.3374**	**0.0889**	**1.9200e-003**	**0.0909**		**316.3807**	**316.3807**	**8.3800e-003**		**316.5902**

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	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.7204**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1424	0.0847	1.1409	3.1800e-003	0.3178	2.0800e-003	0.3199	0.0846	1.9200e-003	0.0866		316.3807	316.3807	8.3800e-003		316.5902
Total	**0.1424**	**0.0847**	**1.1409**	**3.1800e-003**	**0.3178**	**2.0800e-003**	**0.3199**	**0.0846**	**1.9200e-003**	**0.0866**		**316.3807**	**316.3807**	**8.3800e-003**		**316.5902**

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	8.2200	24.7141	54.8171	0.1525	11.1236	0.1465	11.2701	2.9728	0.1478	3.1207		15,963.9496	15,963.9496	0.9449		15,987.5720
Unmitigated	8.2200	24.7141	54.8171	0.1525	11.1236	0.1465	11.2701	2.9728	0.1478	3.1207		15,963.9496	15,963.9496	0.9449		15,987.5720

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,529.88	1,529.88	1529.88	5,227,832	5,227,832
Total	1,529.88	1,529.88	1,529.88	5,227,832	5,227,832

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0649	0.5549	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4049	708.4049	0.0136	0.0130	712.6146
NaturalGas Unmitigated	0.0962	0.8219	0.3497	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,049.1766	1,049.1766	0.0201	0.0192	1,055.4114

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					
Apartments Low Rise	8918	0.0962	0.8219	0.3497	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,049.1766	1,049.1766	0.0201	0.0192	1,055.4114
Total		**0.0962**	**0.8219**	**0.3497**	**5.2500e-003**		**0.0665**	**0.0665**		**0.0665**	**0.0665**		**1,049.1766**	**1,049.1766**	**0.0201**	**0.0192**	**1,055.4114**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	6.02144	0.0649	0.5549	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4049	708.4049	0.0136	0.0130	712.6146
Total		**0.0649**	**0.5549**	**0.2361**	**3.5400e-003**		**0.0449**	**0.0449**		**0.0449**	**0.0449**		**708.4049**	**708.4049**	**0.0136**	**0.0130**	**712.6146**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	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	5.0179	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954	0.0000	31.0475	31.0475	0.0300	0.0000	31.7963
Unmitigated	5.3627	3.1460	18.5153	0.0197		0.3336	0.3336		0.3336	0.3336	0.0000	3,793.0475	3,793.0475	0.1021	0.0690	3,816.1520

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	0.3583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1382					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3449	2.9469	1.2540	0.0188		0.2383	0.2383		0.2383	0.2383	0.0000	3,762.0000	3,762.0000	0.0721	0.0690	3,784.3557
Landscaping	0.5214	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954		31.0475	31.0475	0.0300		31.7963
Total	**5.3627**	**3.1460**	**18.5153**	**0.0197**		**0.3336**	**0.3336**		**0.3336**	**0.3336**	**0.0000**	**3,793.0475**	**3,793.0475**	**0.1021**	**0.0690**	**3,816.1520**

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	0.3583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1382					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5214	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954		31.0475	31.0475	0.0300		31.7963
Total	**5.0179**	**0.1991**	**17.2613**	**9.1000e-004**		**0.0954**	**0.0954**		**0.0954**	**0.0954**	**0.0000**	**31.0475**	**31.0475**	**0.0300**	**0.0000**	**31.7963**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Mango Ave - Replacement Site

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	209.00	Dwelling Unit	5.69	209,000.00	598

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - based on Traffic Memo, lot size is 5.69 acres

Construction Phase - Building Construction, Paving, and Architectural Coating activities are expected to overlap.

Demolition - default squarefootage determined for existing site based on 14 single family units

Architectural Coating -

Vehicle Trips - Based on Traffic Memo, 7.32, CalEEMod trip % error

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Woodstoves - No wood burning per SCAQMD 445

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - RULE 402

Area Mitigation -

Energy Mitigation - CEC - homes built under 2019 standards will use about 53% less energy than those under the 2016 standard

Water Mitigation - Low flow fixtures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	174.00
tblConstructionPhase	NumDays	20.00	174.00
tblFireplaces	NumberWood	10.45	0.00
tblLandUse	LotAcreage	13.06	5.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44

tblVehicleEF	HHD	1.21	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	60.12
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	1.3410e-003
tblVehicleEF	HHD	6,933.41	11,330.49
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	26.50	61.17
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.11
tblVehicleEF	HHD	9.7780e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.84	4.41
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.08	0.08

tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.97	5.05
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.14	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	58.80
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	1.2660e-003
tblVehicleEF	HHD	7,345.18	11,296.84
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	27.35	59.38
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.11
tblVehicleEF	HHD	8.2750e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	7.9170e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	7.0000e-005
tblVehicleEF	HHD	3.5970e-003	6.4000e-005
tblVehicleEF	HHD	0.79	4.61
tblVehicleEF	HHD	1.1700e-004	4.7000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	2.8700e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	7.0000e-005
tblVehicleEF	HHD	3.5970e-003	6.4000e-005
tblVehicleEF	HHD	0.91	5.28
tblVehicleEF	HHD	1.1700e-004	4.7000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	2.8700e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.31	0.22
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00

tblVehicleEF	HHD	4.53	61.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.79	1.3300e-003
tblVehicleEF	HHD	6,364.76	11,376.96
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	25.32	63.63
tblVehicleEF	HHD	2.46	3.37
tblVehicleEF	HHD	20.20	2.11
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005
tblVehicleEF	HHD	0.91	4.13
tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.06	0.11

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005
tblVehicleEF	HHD	1.05	4.73
tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	263.44
tblVehicleEF	LDA	57.15	53.83
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.04	0.28
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22

tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3300e-004
tblVehicleEF	LDA	0.04	0.28
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	285.26
tblVehicleEF	LDA	57.15	53.19
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.09	0.53
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003

tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.53
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.11
tblVehicleEF	LDA	245.70	259.38
tblVehicleEF	LDA	57.15	53.84
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3300e-004

tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
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tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.38
tblVehicleEF	LDT1	313.68	312.60
tblVehicleEF	LDT1	70.93	65.25
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.86

tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.61
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.46
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.80
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	335.30
tblVehicleEF	LDT1	70.93	64.44
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31

tblVehicleEF	LDT1	0.27	1.16
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.46
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	308.38
tblVehicleEF	LDT1	70.93	65.27
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.19	0.85
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.85
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.58

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	333.43
tblVehicleEF	LDT2	79.39	69.90
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
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tblVehicleEF	LDT2	383.36	355.41
tblVehicleEF	LDT2	79.39	69.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8300e-004
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45

tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
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tblVehicleEF	LDT2	79.39	69.92
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.11	0.34
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tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
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tblVehicleEF	LHD1	5.2170e-003	0.07
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tblVehicleEF	LHD1	9.23	128.40
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tblVehicleEF	LHD1	0.01	9.8260e-003
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tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
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tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.27	0.07

tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.01
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tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.88
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tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	10.00
tblVehicleEF	LHD1	0.09	1.05
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tblVehicleEF	LHD1	0.94	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
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tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01

tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
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tblVehicleEF	LHD1	0.36	0.50
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
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tblVehicleEF	LHD1	3.5000e-004	9.9000e-005
tblVehicleEF	LHD1	7.3080e-003	0.07
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	4.1220e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.50
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tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	0.92
tblVehicleEF	LHD1	9.23	128.40

tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	10.07
tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.7940e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.54
tblVehicleEF	LHD1	0.26	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.0000e-004
tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.7940e-003	0.02

tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.54
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	8.8770e-003
tblVehicleEF	LHD2	0.12	1.89
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.57
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.45
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.0300e-004	0.01

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	7.4000e-005
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	8.5350e-003
tblVehicleEF	LHD2	0.12	1.89
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.54
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.40
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.18
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	7.3000e-005
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	8.8340e-003
tblVehicleEF	LHD2	0.12	1.89

tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.57
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.44
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3460e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	7.4000e-005
tblVehicleEF	LHD2	1.3460e-003	0.02

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004

tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.00	2.28
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004

tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.00	2.31
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004

tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.13
tblVehicleEF	MDV	3.25	3.24
tblVehicleEF	MDV	483.94	412.47
tblVehicleEF	MDV	107.92	86.64
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5700e-004
tblVehicleEF	MDV	0.10	0.52

tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.71
tblVehicleEF	MDV	526.85	435.67
tblVehicleEF	MDV	107.92	85.59
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.03
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.37
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4700e-004
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19

tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.25
tblVehicleEF	MDV	473.93	408.15
tblVehicleEF	MDV	107.92	86.67
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5800e-004
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.07	1.31
tblVehicleEF	MH	6.43	2.11
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.89
tblVehicleEF	MH	1.54	1.48
tblVehicleEF	MH	0.91	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.8700e-004
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.19	1.34
tblVehicleEF	MH	5.84	1.97
tblVehicleEF	MH	1,045.05	1,487.74
tblVehicleEF	MH	59.49	18.64
tblVehicleEF	MH	1.41	1.37
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.34	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9700e-004	1.8400e-004
tblVehicleEF	MH	2.91	0.20

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.08	1.31
tblVehicleEF	MH	6.36	2.12
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.90
tblVehicleEF	MH	1.51	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.8700e-004

tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9450e-003
tblVehicleEF	MHD	0.32	3.17
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.34
tblVehicleEF	MHD	156.91	758.35
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	2.89
tblVehicleEF	MHD	0.60	5.74
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.62
tblVehicleEF	MHD	3.8600e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.6900e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.02	0.16

tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.5080e-003	7.1830e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	2.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	2.8280e-003
tblVehicleEF	MHD	0.24	2.75
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.32
tblVehicleEF	MHD	166.20	765.37
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	2.86
tblVehicleEF	MHD	0.62	5.74
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.62
tblVehicleEF	MHD	3.2500e-004	0.01

tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.02	0.15
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.30	0.01
tblVehicleEF	MHD	1.5950e-003	7.2500e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	2.8000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.33	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9240e-003
tblVehicleEF	MHD	0.45	3.76
tblVehicleEF	MHD	0.27	0.32

tblVehicleEF	MHD	5.23	0.34
tblVehicleEF	MHD	144.06	748.63
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	2.89
tblVehicleEF	MHD	0.57	5.74
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.62
tblVehicleEF	MHD	4.7000e-004	0.02
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	4.4900e-004	0.02
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.03	0.16
tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.3860e-003	7.0900e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	2.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.04	0.21
tblVehicleEF	MHD	6.4000e-004	2.2230e-003

tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	9.35
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	1.60
tblVehicleEF	OBUS	70.35	1,526.75
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	13.37
tblVehicleEF	OBUS	0.28	7.45
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	1.14
tblVehicleEF	OBUS	6.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	6.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.85
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.19

tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.8400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	1.3200e-004
tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	9.12
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	1.49
tblVehicleEF	OBUS	73.50	1,523.07
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	13.18
tblVehicleEF	OBUS	0.29	7.27
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	1.13
tblVehicleEF	OBUS	5.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	5.1000e-005	0.01

tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.87
tblVehicleEF	OBUS	2.1330e-003	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.36	0.07
tblVehicleEF	OBUS	7.1400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.3000e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1330e-003	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.40	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	9.66
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	1.60
tblVehicleEF	OBUS	66.00	1,531.82
tblVehicleEF	OBUS	1,121.50	1,406.90

tblVehicleEF	OBUS	70.70	13.38
tblVehicleEF	OBUS	0.27	7.69
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	1.14
tblVehicleEF	OBUS	7.7000e-005	0.02
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	7.4000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.83
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.4200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	1.3200e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.07
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.42	0.08

tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.71	29.13
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	2.53
tblVehicleEF	SBUS	1,258.13	3,306.59
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.75
tblVehicleEF	SBUS	11.70	29.52
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9260e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.27	0.11

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	1.4600e-004
tblVehicleEF	SBUS	2.9260e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.30	0.12
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.56	28.79
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	1.83
tblVehicleEF	SBUS	1,322.00	3,377.53
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	13.58
tblVehicleEF	SBUS	12.08	30.14
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.82
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	9.6490e-003	0.03

tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	5.6170e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.37
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.22	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	1.3400e-004
tblVehicleEF	SBUS	5.6170e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.24	0.10
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.91	29.60
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	2.65
tblVehicleEF	SBUS	1,169.92	3,208.62

tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.94
tblVehicleEF	SBUS	11.19	28.66
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	1.4800e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.98	4.87
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003

tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.1680e-003
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.80
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.61
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.0500e-004

tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	8.3240e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.68
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.41
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04

tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.0300e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.03
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2430e-003
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.81
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.63
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003

tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.0500e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	10.45	0.00
tblWoodstoves	NumberNoncatalytic	10.45	0.00

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					
2021	11.9446	40.5566	40.1343	0.0776	18.2675	2.0458	20.3132	9.9840	1.8821	11.8661	0.0000	7,557.7206	7,557.7206	1.4463	0.0000	7,593.8785
2022	11.5155	30.7164	39.2637	0.0769	2.3205	1.4753	3.7959	0.6186	1.3808	1.9994	0.0000	7,485.1904	7,485.1904	1.4345	0.0000	7,521.0526
Maximum	**11.9446**	**40.5566**	**40.1343**	**0.0776**	**18.2675**	**2.0458**	**20.3132**	**9.9840**	**1.8821**	**11.8661**	**0.0000**	**7,557.7206**	**7,557.7206**	**1.4463**	**0.0000**	**7,593.8785**

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					
2021	11.9446	40.5566	40.1343	0.0776	6.8843	2.0458	8.9300	3.7301	1.8821	5.6122	0.0000	7,557.7206	7,557.7206	1.4463	0.0000	7,593.8784
2022	11.5155	30.7164	39.2637	0.0769	2.2008	1.4753	3.6761	0.5892	1.3808	1.9701	0.0000	7,485.1904	7,485.1904	1.4345	0.0000	7,521.0526
Maximum	**11.9446**	**40.5566**	**40.1343**	**0.0776**	**6.8843**	**2.0458**	**8.9300**	**3.7301**	**1.8821**	**5.6122**	**0.0000**	**7,557.7206**	**7,557.7206**	**1.4463**	**0.0000**	**7,593.8784**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.87**	**0.00**	**47.71**	**59.26**	**0.00**	**45.32**	**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	5.3627	3.1460	18.5153	0.0197		0.3336	0.3336		0.3336	0.3336	0.0000	3,793.0475	3,793.0475	0.1021	0.0690	3,816.1520
Energy	0.0962	0.8219	0.3497	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,049.1766	1,049.1766	0.0201	0.0192	1,055.4114
Mobile	6.4713	26.1597	51.0716	0.1454	11.1236	0.1491	11.2727	2.9728	0.1490	3.1219		15,247.4630	15,247.4630	0.9524		15,271.2721
Total	**11.9302**	**30.1275**	**69.9367**	**0.1704**	**11.1236**	**0.5492**	**11.6727**	**2.9728**	**0.5491**	**3.5220**	**0.0000**	**20,089.6870**	**20,089.6870**	**1.0745**	**0.0882**	**20,142.8354**

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	5.0179	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954	0.0000	31.0475	31.0475	0.0300	0.0000	31.7963
Energy	0.0649	0.5549	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4049	708.4049	0.0136	0.0130	712.6146
Mobile	6.4713	26.1597	51.0716	0.1454	11.1236	0.1491	11.2727	2.9728	0.1490	3.1219		15,247.4630	15,247.4630	0.9524		15,271.2721
Total	**11.5541**	**26.9137**	**68.5691**	**0.1499**	**11.1236**	**0.2893**	**11.4129**	**2.9728**	**0.2893**	**3.2621**	**0.0000**	**15,986.9153**	**15,986.9153**	**0.9959**	**0.0130**	**16,015.6830**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.15**	**10.67**	**1.96**	**12.04**	**0.00**	**47.31**	**2.23**	**0.00**	**47.32**	**7.38**	**0.00**	**20.42**	**20.42**	**7.32**	**85.27**	**20.49**

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	1/4/2021	1/29/2021	5	20	
2	Site Preparation	Site Preparation	1/30/2021	2/12/2021	5	10	
3	Grading	Grading	2/13/2021	3/12/2021	5	20	
4	Building Construction	Building Construction	3/13/2021	1/28/2022	5	230	
5	Paving	Paving	6/1/2021	1/28/2022	5	174	
6	Architectural Coating	Architectural Coating	6/1/2021	1/28/2022	5	174	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 423,225; Residential Outdoor: 141,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sierra Casa Grande - Mango Ave - Replacement Site - San Bernardino-South Coast County, Winter

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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	115.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	150.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2403	0.0000	1.2403	0.1878	0.0000	0.1878			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.2403**	**1.5513**	**2.7916**	**0.1878**	**1.4411**	**1.6289**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0357	1.3164	0.2320	4.3500e-003	0.1006	3.7600e-003	0.1044	0.0276	3.6000e-003	0.0312		462.0492	462.0492	0.0276		462.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.1121**	**1.3660**	**0.7413**	**5.8300e-003**	**0.2683**	**4.8300e-003**	**0.2731**	**0.0721**	**4.5900e-003**	**0.0766**		**609.2738**	**609.2738**	**0.0317**		**610.0668**

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					0.4595	0.0000	0.4595	0.0696	0.0000	0.0696			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.4595**	**1.5513**	**2.0109**	**0.0696**	**1.4411**	**1.5107**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.0357	1.3164	0.2320	4.3500e-003	0.0961	3.7600e-003	0.0998	0.0265	3.6000e-003	0.0301		462.0492	462.0492	0.0276		462.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.1121**	**1.3660**	**0.7413**	**5.8300e-003**	**0.2550**	**4.8300e-003**	**0.2598**	**0.0688**	**4.5900e-003**	**0.0734**		**609.2738**	**609.2738**	**0.0317**		**610.0668**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**6.6936**	**2.0445**	**8.7380**	**3.6793**	**1.8809**	**5.5602**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.1907	1.2900e-003	0.1920	0.0508	1.1900e-003	0.0520		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.1907**	**1.2900e-003**	**0.1920**	**0.0508**	**1.1900e-003**	**0.0520**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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					2.4276	0.0000	2.4276	1.2477	0.0000	1.2477			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**2.4276**	**1.1599**	**3.5876**	**1.2477**	**1.0671**	**2.3148**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0604	2.0990	0.4670	5.7100e-003	0.1409	3.7400e-003	0.1446	0.0406	3.5800e-003	0.0442		601.7773	601.7773	0.0439		602.8737
Worker	0.7638	0.4955	5.0934	0.0148	1.6767	0.0107	1.6874	0.4447	9.8800e-003	0.4545		1,472.2465	1,472.2465	0.0410		1,473.2710
Total	**0.8242**	**2.5945**	**5.5604**	**0.0205**	**1.8176**	**0.0145**	**1.8320**	**0.4852**	**0.0135**	**0.4987**		**2,074.0238**	**2,074.0238**	**0.0848**		**2,076.1447**

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0604	2.0990	0.4670	5.7100e-003	0.1349	3.7400e-003	0.1386	0.0391	3.5800e-003	0.0427		601.7773	601.7773	0.0439		602.8737
Worker	0.7638	0.4955	5.0934	0.0148	1.5892	0.0107	1.5999	0.4232	9.8800e-003	0.4331		1,472.2465	1,472.2465	0.0410		1,473.2710
Total	**0.8242**	**2.5945**	**5.5604**	**0.0205**	**1.7241**	**0.0145**	**1.7385**	**0.4623**	**0.0135**	**0.4757**		**2,074.0238**	**2,074.0238**	**0.0848**		**2,076.1447**

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
Total	**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**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0563	1.9885	0.4335	5.6600e-003	0.1409	3.1500e-003	0.1441	0.0406	3.0100e-003	0.0436		596.7638	596.7638	0.0424		597.8238
Worker	0.7151	0.4453	4.6713	0.0142	1.6767	0.0104	1.6871	0.4447	9.5900e-003	0.4542		1,419.2190	1,419.2190	0.0368		1,420.1385
Total	**0.7715**	**2.4338**	**5.1048**	**0.0199**	**1.8176**	**0.0136**	**1.8311**	**0.4852**	**0.0126**	**0.4978**		**2,015.9827**	**2,015.9827**	**0.0792**		**2,017.9623**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0563	1.9885	0.4335	5.6600e-003	0.1349	3.1500e-003	0.1380	0.0391	3.0100e-003	0.0421		596.7638	596.7638	0.0424		597.8238
Worker	0.7151	0.4453	4.6713	0.0142	1.5892	0.0104	1.5996	0.4232	9.5900e-003	0.4328		1,419.2190	1,419.2190	0.0368		1,420.1385
Total	**0.7715**	**2.4338**	**5.1048**	**0.0199**	**1.7241**	**0.0136**	**1.7376**	**0.4623**	**0.0126**	**0.4749**		**2,015.9827**	**2,015.9827**	**0.0792**		**2,017.9623**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Paving - 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0445	0.4671	1.4200e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		141.9219	141.9219	3.6800e-003		142.0139
Total	**0.0715**	**0.0445**	**0.4671**	**1.4200e-003**	**0.1677**	**1.0400e-003**	**0.1687**	**0.0445**	**9.6000e-004**	**0.0454**		**141.9219**	**141.9219**	**3.6800e-003**		**142.0139**

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0445	0.4671	1.4200e-003	0.1589	1.0400e-003	0.1600	0.0423	9.6000e-004	0.0433		141.9219	141.9219	3.6800e-003		142.0139
Total	**0.0715**	**0.0445**	**0.4671**	**1.4200e-003**	**0.1589**	**1.0400e-003**	**0.1600**	**0.0423**	**9.6000e-004**	**0.0433**		**141.9219**	**141.9219**	**3.6800e-003**		**142.0139**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**7.7348**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1528	0.0991	1.0187	2.9600e-003	0.3353	2.1400e-003	0.3375	0.0889	1.9800e-003	0.0909		294.4493	294.4493	8.2000e-003		294.6542
Total	**0.1528**	**0.0991**	**1.0187**	**2.9600e-003**	**0.3353**	**2.1400e-003**	**0.3375**	**0.0889**	**1.9800e-003**	**0.0909**		**294.4493**	**294.4493**	**8.2000e-003**		**294.6542**

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	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**7.7348**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1528	0.0991	1.0187	2.9600e-003	0.3178	2.1400e-003	0.3200	0.0846	1.9800e-003	0.0866		294.4493	294.4493	8.2000e-003		294.6542
Total	**0.1528**	**0.0991**	**1.0187**	**2.9600e-003**	**0.3178**	**2.1400e-003**	**0.3200**	**0.0846**	**1.9800e-003**	**0.0866**		**294.4493**	**294.4493**	**8.2000e-003**		**294.6542**

3.7 Architectural Coating - 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					
Archit. Coating	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.7204**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1430	0.0891	0.9343	2.8500e-003	0.3353	2.0800e-003	0.3374	0.0889	1.9200e-003	0.0909		283.8438	283.8438	7.3600e-003		284.0277
Total	**0.1430**	**0.0891**	**0.9343**	**2.8500e-003**	**0.3353**	**2.0800e-003**	**0.3374**	**0.0889**	**1.9200e-003**	**0.0909**		**283.8438**	**283.8438**	**7.3600e-003**		**284.0277**

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	7.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.7204**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1430	0.0891	0.9343	2.8500e-003	0.3178	2.0800e-003	0.3199	0.0846	1.9200e-003	0.0866		283.8438	283.8438	7.3600e-003		284.0277
Total	**0.1430**	**0.0891**	**0.9343**	**2.8500e-003**	**0.3178**	**2.0800e-003**	**0.3199**	**0.0846**	**1.9200e-003**	**0.0866**		**283.8438**	**283.8438**	**7.3600e-003**		**284.0277**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4713	26.1597	51.0716	0.1454	11.1236	0.1491	11.2727	2.9728	0.1490	3.1219		15,247.4630	15,247.4630	0.9524		15,271.2721
Unmitigated	6.4713	26.1597	51.0716	0.1454	11.1236	0.1491	11.2727	2.9728	0.1490	3.1219		15,247.4630	15,247.4630	0.9524		15,271.2721

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,529.88	1,529.88	1529.88	5,227,832	5,227,832
Total	1,529.88	1,529.88	1,529.88	5,227,832	5,227,832

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0649	0.5549	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4049	708.4049	0.0136	0.0130	712.6146
NaturalGas Unmitigated	0.0962	0.8219	0.3497	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,049.1766	1,049.1766	0.0201	0.0192	1,055.4114

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					
Apartments Low Rise	8918	0.0962	0.8219	0.3497	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,049.1766	1,049.1766	0.0201	0.0192	1,055.4114
Total		**0.0962**	**0.8219**	**0.3497**	**5.2500e-003**		**0.0665**	**0.0665**		**0.0665**	**0.0665**		**1,049.1766**	**1,049.1766**	**0.0201**	**0.0192**	**1,055.4114**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	6.02144	0.0649	0.5549	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.4049	708.4049	0.0136	0.0130	712.6146
Total		**0.0649**	**0.5549**	**0.2361**	**3.5400e-003**		**0.0449**	**0.0449**		**0.0449**	**0.0449**		**708.4049**	**708.4049**	**0.0136**	**0.0130**	**712.6146**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	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	5.0179	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954	0.0000	31.0475	31.0475	0.0300	0.0000	31.7963
Unmitigated	5.3627	3.1460	18.5153	0.0197		0.3336	0.3336		0.3336	0.3336	0.0000	3,793.0475	3,793.0475	0.1021	0.0690	3,816.1520

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	0.3583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1382					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3449	2.9469	1.2540	0.0188		0.2383	0.2383		0.2383	0.2383	0.0000	3,762.0000	3,762.0000	0.0721	0.0690	3,784.3557
Landscaping	0.5214	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954		31.0475	31.0475	0.0300		31.7963
Total	**5.3627**	**3.1460**	**18.5153**	**0.0197**		**0.3336**	**0.3336**		**0.3336**	**0.3336**	**0.0000**	**3,793.0475**	**3,793.0475**	**0.1021**	**0.0690**	**3,816.1520**

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	0.3583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1382					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5214	0.1991	17.2613	9.1000e-004		0.0954	0.0954		0.0954	0.0954		31.0475	31.0475	0.0300		31.7963
Total	**5.0179**	**0.1991**	**17.2613**	**9.1000e-004**		**0.0954**	**0.0954**		**0.0954**	**0.0954**	**0.0000**	**31.0475**	**31.0475**	**0.0300**	**0.0000**	**31.7963**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Mango Ave - Replacement Site

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	209.00	Dwelling Unit	5.69	209,000.00	598

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - based on Traffic Memo, lot size is 5.69 acres

Construction Phase - Building Construction, Paving, and Architectural Coating activities are expected to overlap.

Demolition - default squarefootage determined for existing site based on 14 single family units

Architectural Coating -

Vehicle Trips - Based on Traffic Memo, 7.32, CalEEMod trip % error

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Woodstoves - No wood burning per SCAQMD 445

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - RULE 402

Area Mitigation -

Energy Mitigation - CEC - homes built under 2019 standards will use about 53% less energy than those under the 2016 standard

Water Mitigation - Low flow fixtures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	174.00
tblConstructionPhase	NumDays	20.00	174.00
tblFireplaces	NumberWood	10.45	0.00
tblLandUse	LotAcreage	13.06	5.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44

tblVehicleEF	HHD	1.21	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	60.12
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	1.3410e-003
tblVehicleEF	HHD	6,933.41	11,330.49
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	26.50	61.17
tblVehicleEF	HHD	2.50	3.42
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
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tblVehicleEF	HHD	0.08	0.08

tblVehicleEF	HHD	2.1700e-004	2.8000e-004
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tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.97	5.05
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.14	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
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tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	1.2660e-003
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tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	7.9170e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005
tblVehicleEF	HHD	0.91	4.13
tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
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tblVehicleEF	HHD	0.06	0.11

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
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tblVehicleEF	LDA	0.08	0.22

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tblVehicleEF	LDA	0.03	0.23
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tblVehicleEF	LDA	0.12	0.11
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.03	0.22
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tblVehicleEF	LDA	0.04	0.24
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tblVehicleEF	LDA	5.9100e-004	5.3300e-004

tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	3.61	2.38
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tblVehicleEF	LDT1	70.93	65.25
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.86

tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.61
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
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tblVehicleEF	LDT1	1.85	1.80
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tblVehicleEF	LDT1	341.75	335.30
tblVehicleEF	LDT1	70.93	64.44
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31

tblVehicleEF	LDT1	0.27	1.16
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.46
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	308.38
tblVehicleEF	LDT1	70.93	65.27
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.19	0.85
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.85
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.58

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	333.43
tblVehicleEF	LDT2	79.39	69.90
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.19
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	355.41
tblVehicleEF	LDT2	79.39	69.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8300e-004
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45

tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	329.34
tblVehicleEF	LDT2	79.39	69.92
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.12	0.37

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tblVehicleEF	LHD1	30.40	10.08
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tblVehicleEF	LHD1	2.12	1.25
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tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.27	0.07

tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.0000e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.88
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tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	10.00
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tblVehicleEF	LHD1	0.94	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01

tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	7.3080e-003	0.07
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	4.1220e-003	0.04
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.50
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	9.9000e-005
tblVehicleEF	LHD1	7.3080e-003	0.07
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	4.1220e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.50
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tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.1100e-003
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tblVehicleEF	LHD1	0.14	2.42
tblVehicleEF	LHD1	1.07	0.75
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tblVehicleEF	LHD1	9.23	128.40

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tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
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tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
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tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
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tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.0000e-004
tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.7940e-003	0.02

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tblVehicleEF	LHD1	0.38	0.54
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	8.8770e-003
tblVehicleEF	LHD2	0.12	1.89
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.57
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.45
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tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.0300e-004	0.01

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tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
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tblVehicleEF	LHD2	2.6700e-004	7.4000e-005
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.12	0.05
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tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	8.5350e-003
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tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.54
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.40
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tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
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tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.10	0.04
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tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	8.8340e-003
tblVehicleEF	LHD2	0.12	1.89

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tblVehicleEF	LHD2	1.19	0.57
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.44
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3460e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
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tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
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tblVehicleEF	LHD2	1.3460e-003	0.02

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
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tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004

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tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.00	2.28
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004

tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.00	2.31
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004

tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.13
tblVehicleEF	MDV	3.25	3.24
tblVehicleEF	MDV	483.94	412.47
tblVehicleEF	MDV	107.92	86.64
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5700e-004
tblVehicleEF	MDV	0.10	0.52

tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.71
tblVehicleEF	MDV	526.85	435.67
tblVehicleEF	MDV	107.92	85.59
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.03
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.37
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4700e-004
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19

tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.25
tblVehicleEF	MDV	473.93	408.15
tblVehicleEF	MDV	107.92	86.67
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5800e-004
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.07	1.31
tblVehicleEF	MH	6.43	2.11
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.89
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tblVehicleEF	MH	0.91	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.8700e-004
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.19	1.34
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tblVehicleEF	MH	59.49	18.64
tblVehicleEF	MH	1.41	1.37
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.34	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9700e-004	1.8400e-004
tblVehicleEF	MH	2.91	0.20

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.49
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tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.08	1.31
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tblVehicleEF	MH	1.51	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.8700e-004

tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.40	0.11
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tblVehicleEF	MHD	0.05	2.9450e-003
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tblVehicleEF	MHD	11.88	1.62
tblVehicleEF	MHD	3.8600e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.6900e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.02	0.16

tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.5080e-003	7.1830e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	2.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
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tblVehicleEF	MHD	0.62	5.74
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.62
tblVehicleEF	MHD	3.2500e-004	0.01

tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.02	0.15
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.30	0.01
tblVehicleEF	MHD	1.5950e-003	7.2500e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	2.8000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.33	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
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tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.62
tblVehicleEF	MHD	4.7000e-004	0.02
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	4.4900e-004	0.02
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
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tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.3860e-003	7.0900e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	2.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.04	0.21
tblVehicleEF	MHD	6.4000e-004	2.2230e-003

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tblVehicleEF	OBUS	6.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	6.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.85
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.19

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tblVehicleEF	OBUS	6.8400e-004	0.01
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tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	1.88	1.13
tblVehicleEF	OBUS	5.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	5.1000e-005	0.01

tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.87
tblVehicleEF	OBUS	2.1330e-003	0.03
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tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	7.1400e-004	0.01
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tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1330e-003	0.03
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tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.40	0.08
tblVehicleEF	OBUS	0.01	0.12
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tblVehicleEF	OBUS	0.28	9.66
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tblVehicleEF	OBUS	1,121.50	1,406.90

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tblVehicleEF	OBUS	7.7000e-005	0.02
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	7.4000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.83
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.4200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	1.3200e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.07
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.42	0.08

tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.71	29.13
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	2.53
tblVehicleEF	SBUS	1,258.13	3,306.59
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.75
tblVehicleEF	SBUS	11.70	29.52
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9260e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.27	0.11

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	1.4600e-004
tblVehicleEF	SBUS	2.9260e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.30	0.12
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.56	28.79
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	1.83
tblVehicleEF	SBUS	1,322.00	3,377.53
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	13.58
tblVehicleEF	SBUS	12.08	30.14
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.82
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	9.6490e-003	0.03

tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	5.6170e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.37
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.22	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	1.3400e-004
tblVehicleEF	SBUS	5.6170e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.24	0.10
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.91	29.60
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	2.65
tblVehicleEF	SBUS	1,169.92	3,208.62

tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.94
tblVehicleEF	SBUS	11.19	28.66
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	1.4800e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.98	4.87
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003

tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.1680e-003
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.80
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.61
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.0500e-004

tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	8.3240e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.68
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.41
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04

tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.0300e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.03
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2430e-003
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.81
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.63
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003

tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.0500e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	10.45	0.00
tblWoodstoves	NumberNoncatalytic	10.45	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.0626	4.0133	4.2351	8.3200e-003	0.3988	0.1993	0.5980	0.1468	0.1861	0.3328	0.0000	735.1409	735.1409	0.1425	0.0000	738.7029
2022	0.1142	0.3079	0.3953	7.7000e-004	0.0228	0.0148	0.0375	6.0800e-003	0.0138	0.0199	0.0000	68.3987	68.3987	0.0130	0.0000	68.7238
Maximum	**1.0626**	**4.0133**	**4.2351**	**8.3200e-003**	**0.3988**	**0.1993**	**0.5980**	**0.1468**	**0.1861**	**0.3328**	**0.0000**	**735.1409**	**735.1409**	**0.1425**	**0.0000**	**738.7029**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	1.0626	4.0133	4.2351	8.3200e-003	0.2810	0.1993	0.4803	0.0902	0.1861	0.2763	0.0000	735.1403	735.1403	0.1425	0.0000	738.7023
2022	0.1142	0.3079	0.3953	7.7000e-004	0.0216	0.0148	0.0364	5.7900e-003	0.0138	0.0196	0.0000	68.3987	68.3987	0.0130	0.0000	68.7238
Maximum	**1.0626**	**4.0133**	**4.2351**	**8.3200e-003**	**0.2810**	**0.1993**	**0.4803**	**0.0902**	**0.1861**	**0.2763**	**0.0000**	**735.1403**	**735.1403**	**0.1425**	**0.0000**	**738.7023**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.21**	**0.00**	**18.71**	**37.18**	**0.00**	**16.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-4-2021**	**4-3-2021**	1.0080	1.0080
2	**4-4-2021**	**7-3-2021**	1.0198	1.0198
3	**7-4-2021**	**10-3-2021**	1.5296	1.5296
4	**10-4-2021**	**1-3-2022**	1.5254	1.5254
5	**1-4-2022**	**4-3-2022**	0.3771	0.3771
		Highest	1.5296	1.5296

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	0.8901	0.0617	2.1733	3.5000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	46.1811	46.1811	4.2100e-003	7.8000e-004	46.5195
Energy	0.0176	0.1500	0.0638	9.6000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	408.8915	408.8915	0.0167	5.9500e-003	411.0817
Mobile	1.1729	4.6980	9.3853	0.0266	1.9866	0.0268	2.0135	0.5318	0.0269	0.5586	0.0000	2,531.9890	2,531.9890	0.1578	0.0000	2,535.9344
Waste						0.0000	0.0000		0.0000	0.0000	19.5156	0.0000	19.5156	1.1533	0.0000	48.3490
Water						0.0000	0.0000		0.0000	0.0000	4.3201	63.1355	67.4556	0.4473	0.0112	81.9815
Total	**2.0805**	**4.9097**	**11.6225**	**0.0279**	**1.9866**	**0.0539**	**2.0405**	**0.5318**	**0.0539**	**0.5857**	**23.8357**	**3,050.1971**	**3,074.0327**	**1.7794**	**0.0180**	**3,123.8660**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8858	0.0249	2.1577	1.1000e-004		0.0119	0.0119		0.0119	0.0119	0.0000	3.5207	3.5207	3.4000e-003	0.0000	3.6056
Energy	0.0119	0.1013	0.0431	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003	0.0000	329.9772	329.9772	0.0143	4.6500e-003	331.7213
Mobile	1.1729	4.6980	9.3853	0.0266	1.9866	0.0268	2.0135	0.5318	0.0269	0.5586	0.0000	2,531.9890	2,531.9890	0.1578	0.0000	2,535.9344
Waste						0.0000	0.0000		0.0000	0.0000	19.5156	0.0000	19.5156	1.1533	0.0000	48.3490
Water						0.0000	0.0000		0.0000	0.0000	3.4561	53.5779	57.0340	0.3580	9.0100e-003	68.6698
Total	**2.0705**	**4.8242**	**11.5861**	**0.0274**	**1.9866**	**0.0469**	**2.0336**	**0.5318**	**0.0470**	**0.5787**	**22.9716**	**2,919.0647**	**2,942.0364**	**1.6869**	**0.0137**	**2,988.2801**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.48**	**1.74**	**0.31**	**1.97**	**0.00**	**12.85**	**0.34**	**0.00**	**12.84**	**1.18**	**3.62**	**4.30**	**4.29**	**5.20**	**23.90**	**4.34**

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	1/4/2021	1/29/2021	5	20	
2	Site Preparation	Site Preparation	1/30/2021	2/12/2021	5	10	
3	Grading	Grading	2/13/2021	3/12/2021	5	20	
4	Building Construction	Building Construction	3/13/2021	1/28/2022	5	230	
5	Paving	Paving	6/1/2021	1/28/2022	5	174	
6	Architectural Coating	Architectural Coating	6/1/2021	1/28/2022	5	174	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 423,225; Residential Outdoor: 141,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sierra Casa Grande - Mango Ave - Replacement Site - San Bernardino-South Coast County, Annual

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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	115.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	150.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0124	0.0000	0.0124	1.8800e-003	0.0000	1.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**0.0124**	**0.0155**	**0.0279**	**1.8800e-003**	**0.0144**	**0.0163**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0134	2.1600e-003	4.0000e-005	9.9000e-004	4.0000e-005	1.0300e-003	2.7000e-004	4.0000e-005	3.1000e-004	0.0000	4.2571	4.2571	2.4000e-004	0.0000	4.2631
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**1.0400e-003**	**0.0140**	**7.5000e-003**	**6.0000e-005**	**2.6300e-003**	**5.0000e-005**	**2.6900e-003**	**7.1000e-004**	**5.0000e-005**	**7.6000e-004**	**0.0000**	**5.6219**	**5.6219**	**2.8000e-004**	**0.0000**	**5.6289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.6000e-003	0.0000	4.6000e-003	7.0000e-004	0.0000	7.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**4.6000e-003**	**0.0155**	**0.0201**	**7.0000e-004**	**0.0144**	**0.0151**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

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	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0134	2.1600e-003	4.0000e-005	9.4000e-004	4.0000e-005	9.8000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	4.2571	4.2571	2.4000e-004	0.0000	4.2631
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**1.0400e-003**	**0.0140**	**7.5000e-003**	**6.0000e-005**	**2.5000e-003**	**5.0000e-005**	**2.5500e-003**	**6.8000e-004**	**5.0000e-005**	**7.3000e-004**	**0.0000**	**5.6219**	**5.6219**	**2.8000e-004**	**0.0000**	**5.6289**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.1000e-004	3.2100e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8189	0.8189	2.0000e-005	0.0000	0.8195
Total	**4.1000e-004**	**3.1000e-004**	**3.2100e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8189**	**0.8189**	**2.0000e-005**	**0.0000**	**0.8195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0335	0.0000	0.0335	0.0184	0.0000	0.0184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0335**	**0.0102**	**0.0437**	**0.0184**	**9.4000e-003**	**0.0278**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.1000e-004	3.2100e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.4000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8189	0.8189	2.0000e-005	0.0000	0.8195
Total	**4.1000e-004**	**3.1000e-004**	**3.2100e-003**	**1.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.4000e-004**	**2.5000e-004**	**1.0000e-005**	**2.6000e-004**	**0.0000**	**0.8189**	**0.8189**	**2.0000e-005**	**0.0000**	**0.8195**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0655**	**0.0116**	**0.0771**	**0.0337**	**0.0107**	**0.0443**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2644**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0243	0.0000	0.0243	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0243**	**0.0116**	**0.0359**	**0.0125**	**0.0107**	**0.0232**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2643**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.5600e-003**	**1.0000e-005**	**1.5700e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1996	1.8304	1.7404	2.8300e-003		0.1007	0.1007		0.0946	0.0946	0.0000	243.2191	243.2191	0.0587	0.0000	244.6861
Total	**0.1996**	**1.8304**	**1.7404**	**2.8300e-003**		**0.1007**	**0.1007**		**0.0946**	**0.0946**	**0.0000**	**243.2191**	**243.2191**	**0.0587**	**0.0000**	**244.6861**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1200e-003	0.2247	0.0457	6.1000e-004	0.0146	3.9000e-004	0.0150	4.2000e-003	3.7000e-004	4.5700e-003	0.0000	58.6655	58.6655	3.9500e-003	0.0000	58.7643
Worker	0.0725	0.0548	0.5612	1.5900e-003	0.1727	1.1300e-003	0.1738	0.0459	1.0400e-003	0.0469	0.0000	143.3093	143.3093	4.0100e-003	0.0000	143.4096
Total	**0.0786**	**0.2795**	**0.6069**	**2.2000e-003**	**0.1873**	**1.5200e-003**	**0.1888**	**0.0501**	**1.4100e-003**	**0.0515**	**0.0000**	**201.9748**	**201.9748**	**7.9600e-003**	**0.0000**	**202.1740**

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	0.1996	1.8304	1.7404	2.8300e-003		0.1007	0.1007		0.0946	0.0946	0.0000	243.2189	243.2189	0.0587	0.0000	244.6858
Total	**0.1996**	**1.8304**	**1.7404**	**2.8300e-003**		**0.1007**	**0.1007**		**0.0946**	**0.0946**	**0.0000**	**243.2189**	**243.2189**	**0.0587**	**0.0000**	**244.6858**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1200e-003	0.2247	0.0457	6.1000e-004	0.0140	3.9000e-004	0.0143	4.0500e-003	3.7000e-004	4.4200e-003	0.0000	58.6655	58.6655	3.9500e-003	0.0000	58.7643
Worker	0.0725	0.0548	0.5612	1.5900e-003	0.1637	1.1300e-003	0.1648	0.0437	1.0400e-003	0.0447	0.0000	143.3093	143.3093	4.0100e-003	0.0000	143.4096
Total	**0.0786**	**0.2795**	**0.6069**	**2.2000e-003**	**0.1777**	**1.5200e-003**	**0.1792**	**0.0477**	**1.4100e-003**	**0.0491**	**0.0000**	**201.9748**	**201.9748**	**7.9600e-003**	**0.0000**	**202.1740**

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	0.0171	0.1562	0.1636	2.7000e-004		8.0900e-003	8.0900e-003		7.6100e-003	7.6100e-003	0.0000	23.1725	23.1725	5.5500e-003	0.0000	23.3113
Total	**0.0171**	**0.1562**	**0.1636**	**2.7000e-004**		**8.0900e-003**	**8.0900e-003**		**7.6100e-003**	**7.6100e-003**	**0.0000**	**23.1725**	**23.1725**	**5.5500e-003**	**0.0000**	**23.3113**

3.5 Building Construction - 2022

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	5.4000e-004	0.0203	4.0300e-003	6.0000e-005	1.3900e-003	3.0000e-005	1.4200e-003	4.0000e-004	3.0000e-005	4.3000e-004	0.0000	5.5417	5.5417	3.6000e-004	0.0000	5.5508
Worker	6.4600e-003	4.6900e-003	0.0490	1.5000e-004	0.0165	1.0000e-004	0.0166	4.3700e-003	1.0000e-004	4.4600e-003	0.0000	13.1567	13.1567	3.4000e-004	0.0000	13.1653
Total	**7.0000e-003**	**0.0250**	**0.0530**	**2.1000e-004**	**0.0178**	**1.3000e-004**	**0.0180**	**4.7700e-003**	**1.3000e-004**	**4.8900e-003**	**0.0000**	**18.6984**	**18.6984**	**7.0000e-004**	**0.0000**	**18.7161**

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	0.0171	0.1562	0.1636	2.7000e-004		8.0900e-003	8.0900e-003		7.6100e-003	7.6100e-003	0.0000	23.1725	23.1725	5.5500e-003	0.0000	23.3113
Total	**0.0171**	**0.1562**	**0.1636**	**2.7000e-004**		**8.0900e-003**	**8.0900e-003**		**7.6100e-003**	**7.6100e-003**	**0.0000**	**23.1725**	**23.1725**	**5.5500e-003**	**0.0000**	**23.3113**

3.5 Building Construction - 2022

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	5.4000e-004	0.0203	4.0300e-003	6.0000e-005	1.3300e-003	3.0000e-005	1.3600e-003	3.9000e-004	3.0000e-005	4.2000e-004	0.0000	5.5417	5.5417	3.6000e-004	0.0000	5.5508
Worker	6.4600e-003	4.6900e-003	0.0490	1.5000e-004	0.0156	1.0000e-004	0.0157	4.1600e-003	1.0000e-004	4.2500e-003	0.0000	13.1567	13.1567	3.4000e-004	0.0000	13.1653
Total	**7.0000e-003**	**0.0250**	**0.0530**	**2.1000e-004**	**0.0169**	**1.3000e-004**	**0.0171**	**4.5500e-003**	**1.3000e-004**	**4.6700e-003**	**0.0000**	**18.6984**	**18.6984**	**7.0000e-004**	**0.0000**	**18.7161**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0967	0.9948	1.1283	1.7600e-003		0.0522	0.0522		0.0480	0.0480	0.0000	154.1808	154.1808	0.0499	0.0000	155.4274
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0967**	**0.9948**	**1.1283**	**1.7600e-003**		**0.0522**	**0.0522**		**0.0480**	**0.0480**	**0.0000**	**154.1808**	**154.1808**	**0.0499**	**0.0000**	**155.4274**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3200e-003	4.0200e-003	0.0412	1.2000e-004	0.0127	8.0000e-005	0.0128	3.3600e-003	8.0000e-005	3.4400e-003	0.0000	10.5094	10.5094	2.9000e-004	0.0000	10.5167
Total	**5.3200e-003**	**4.0200e-003**	**0.0412**	**1.2000e-004**	**0.0127**	**8.0000e-005**	**0.0128**	**3.3600e-003**	**8.0000e-005**	**3.4400e-003**	**0.0000**	**10.5094**	**10.5094**	**2.9000e-004**	**0.0000**	**10.5167**

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	0.0967	0.9948	1.1283	1.7600e-003		0.0522	0.0522		0.0480	0.0480	0.0000	154.1806	154.1806	0.0499	0.0000	155.4272
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0967**	**0.9948**	**1.1283**	**1.7600e-003**		**0.0522**	**0.0522**		**0.0480**	**0.0480**	**0.0000**	**154.1806**	**154.1806**	**0.0499**	**0.0000**	**155.4272**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3200e-003	4.0200e-003	0.0412	1.2000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	8.0000e-005	3.2800e-003	0.0000	10.5094	10.5094	2.9000e-004	0.0000	10.5167
Total	**5.3200e-003**	**4.0200e-003**	**0.0412**	**1.2000e-004**	**0.0120**	**8.0000e-005**	**0.0121**	**3.2000e-003**	**8.0000e-005**	**3.2800e-003**	**0.0000**	**10.5094**	**10.5094**	**2.9000e-004**	**0.0000**	**10.5167**

3.6 Paving - 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
Total	**6.5000e-004**	**4.7000e-004**	**4.9000e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3157**	**1.3157**	**3.0000e-005**	**0.0000**	**1.3165**

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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
Total	**6.5000e-004**	**4.7000e-004**	**4.9000e-003**	**1.0000e-005**	**1.5600e-003**	**1.0000e-005**	**1.5700e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3157**	**1.3157**	**3.0000e-005**	**0.0000**	**1.3165**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5787					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1176	0.1400	2.3000e-004		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	19.6601	19.6601	1.3500e-003	0.0000	19.6938
Total	**0.5956**	**0.1176**	**0.1400**	**2.3000e-004**		**7.2500e-003**	**7.2500e-003**		**7.2500e-003**	**7.2500e-003**	**0.0000**	**19.6601**	**19.6601**	**1.3500e-003**	**0.0000**	**19.6938**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0106	8.0400e-003	0.0823	2.3000e-004	0.0253	1.7000e-004	0.0255	6.7300e-003	1.5000e-004	6.8800e-003	0.0000	21.0187	21.0187	5.9000e-004	0.0000	21.0334
Total	**0.0106**	**8.0400e-003**	**0.0823**	**2.3000e-004**	**0.0253**	**1.7000e-004**	**0.0255**	**6.7300e-003**	**1.5000e-004**	**6.8800e-003**	**0.0000**	**21.0187**	**21.0187**	**5.9000e-004**	**0.0000**	**21.0334**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5787					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1176	0.1400	2.3000e-004		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	19.6600	19.6600	1.3500e-003	0.0000	19.6938
Total	**0.5956**	**0.1176**	**0.1400**	**2.3000e-004**		**7.2500e-003**	**7.2500e-003**		**7.2500e-003**	**7.2500e-003**	**0.0000**	**19.6600**	**19.6600**	**1.3500e-003**	**0.0000**	**19.6938**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0106	8.0400e-003	0.0823	2.3000e-004	0.0240	1.7000e-004	0.0242	6.4000e-003	1.5000e-004	6.5600e-003	0.0000	21.0187	21.0187	5.9000e-004	0.0000	21.0334
Total	**0.0106**	**8.0400e-003**	**0.0823**	**2.3000e-004**	**0.0240**	**1.7000e-004**	**0.0242**	**6.4000e-003**	**1.5000e-004**	**6.5600e-003**	**0.0000**	**21.0187**	**21.0187**	**5.9000e-004**	**0.0000**	**21.0334**

3.7 Architectural Coating - 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					
Archit. Coating	0.0752					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.0772**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	9.4000e-004	9.8000e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.6313	2.6313	7.0000e-005	0.0000	2.6331
Total	**1.2900e-003**	**9.4000e-004**	**9.8000e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**8.9000e-004**	**0.0000**	**2.6313**	**2.6313**	**7.0000e-005**	**0.0000**	**2.6331**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0752					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.0772**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	9.4000e-004	9.8000e-003	3.0000e-005	3.1200e-003	2.0000e-005	3.1400e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.6313	2.6313	7.0000e-005	0.0000	2.6331
Total	**1.2900e-003**	**9.4000e-004**	**9.8000e-003**	**3.0000e-005**	**3.1200e-003**	**2.0000e-005**	**3.1400e-003**	**8.3000e-004**	**2.0000e-005**	**8.5000e-004**	**0.0000**	**2.6313**	**2.6313**	**7.0000e-005**	**0.0000**	**2.6331**

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	1.1729	4.6980	9.3853	0.0266	1.9866	0.0268	2.0135	0.5318	0.0269	0.5586	0.0000	2,531.9890	2,531.9890	0.1578	0.0000	2,535.9344
Unmitigated	1.1729	4.6980	9.3853	0.0266	1.9866	0.0268	2.0135	0.5318	0.0269	0.5586	0.0000	2,531.9890	2,531.9890	0.1578	0.0000	2,535.9344

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,529.88	1,529.88	1529.88	5,227,832	5,227,832
Total	1,529.88	1,529.88	1,529.88	5,227,832	5,227,832

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	212.6928	212.6928	0.0121	2.5000e-003	213.7399
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	235.1886	235.1886	0.0134	2.7600e-003	236.3465
NaturalGas Mitigated	0.0119	0.1013	0.0431	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003	0.0000	117.2844	117.2844	2.2500e-003	2.1500e-003	117.9813
NaturalGas Unmitigated	0.0176	0.1500	0.0638	9.6000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	173.7030	173.7030	3.3300e-003	3.1800e-003	174.7352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.25507e+006	0.0176	0.1500	0.0638	9.6000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	173.7030	173.7030	3.3300e-003	3.1800e-003	174.7352
Total		**0.0176**	**0.1500**	**0.0638**	**9.6000e-004**		**0.0121**	**0.0121**		**0.0121**	**0.0121**	**0.0000**	**173.7030**	**173.7030**	**3.3300e-003**	**3.1800e-003**	**174.7352**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.19783e+006	0.0119	0.1013	0.0431	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003	0.0000	117.2844	117.2844	2.2500e-003	2.1500e-003	117.9813
Total		**0.0119**	**0.1013**	**0.0431**	**6.5000e-004**		**8.1900e-003**	**8.1900e-003**		**8.1900e-003**	**8.1900e-003**	**0.0000**	**117.2844**	**117.2844**	**2.2500e-003**	**2.1500e-003**	**117.9813**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.01579e+006	235.1886	0.0134	2.7600e-003	236.3465
Total		**235.1886**	**0.0134**	**2.7600e-003**	**236.3465**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	918634	212.6928	0.0121	2.5000e-003	213.7399
Total		**212.6928**	**0.0121**	**2.5000e-003**	**213.7399**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	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	0.8858	0.0249	2.1577	1.1000e-004		0.0119	0.0119		0.0119	0.0119	0.0000	3.5207	3.5207	3.4000e-003	0.0000	3.6056
Unmitigated	0.8901	0.0617	2.1733	3.5000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	46.1811	46.1811	4.2100e-003	7.8000e-004	46.5195

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	0.0654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7552					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.3100e-003	0.0368	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6604	42.6604	8.2000e-004	7.8000e-004	42.9139
Landscaping	0.0652	0.0249	2.1577	1.1000e-004		0.0119	0.0119		0.0119	0.0119	0.0000	3.5207	3.5207	3.4000e-003	0.0000	3.6056
Total	**0.8901**	**0.0617**	**2.1734**	**3.5000e-004**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**46.1811**	**46.1811**	**4.2200e-003**	**7.8000e-004**	**46.5195**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7552					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0652	0.0249	2.1577	1.1000e-004		0.0119	0.0119		0.0119	0.0119	0.0000	3.5207	3.5207	3.4000e-003	0.0000	3.6056
Total	**0.8858**	**0.0249**	**2.1577**	**1.1000e-004**		**0.0119**	**0.0119**		**0.0119**	**0.0119**	**0.0000**	**3.5207**	**3.5207**	**3.4000e-003**	**0.0000**	**3.6056**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	57.0340	0.3580	9.0100e-003	68.6698
Unmitigated	67.4556	0.4473	0.0112	81.9815

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	13.6172 / 8.58475	67.4556	0.4473	0.0112	81.9815
Total		**67.4556**	**0.4473**	**0.0112**	**81.9815**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	10.8938 / 8.06108	57.0340	0.3580	9.0100e-003	68.6698
Total		**57.0340**	**0.3580**	**9.0100e-003**	**68.6698**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	19.5156	1.1533	0.0000	48.3490
Unmitigated	19.5156	1.1533	0.0000	48.3490

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	96.14	19.5156	1.1533	0.0000	48.3490
Total		**19.5156**	**1.1533**	**0.0000**	**48.3490**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	96.14	19.5156	1.1533	0.0000	48.3490
Total		**19.5156**	**1.1533**	**0.0000**	**48.3490**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Kimley»Horn

MEMORANDUM

To:	Kari Cano
From:	Alex Pohlman
	Kimley-Horn and Associates, Inc.
Date:	June 2, 2020
Subject:	Palmetto Replacement Site: Proposed Sierra Casa Grande Warehouse Residential Replacement Site – Air Quality and Greenhouse Gas Emissions

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Purpose

The purpose of this memorandum is to identify the air quality and greenhouse gas (GHG) emissions associated with the proposed residential replacement site located on the northeast corner of Palmetto Avenue and Valencia Avenue (Palmetto Replacement Site) in the City of Fontana. Specifically, this analysis addresses the air quality impacts referenced in State CEQA Guidelines Section 15332(d).

Project Description

The project is proposing residential replacement sites for the development of residential dwelling units at two project sites within the City of Fontana in efforts to account for the potential residential dwelling units lost with the development of the proposed Sierra Avenue at Casa Grande Drive Warehouse. The two replacement sites are proposed within the City of Fontana and are shown on Exhibit 1. One replacement site is located on the northeast corner of the intersection of Palmetto Avenue at Valencia Avenue. The site is currently 3.58 acres and occupied by 8 existing residential dwelling units and a church building. The other replacement site, located on the northwest corner of the intersection of Mango Avenue at Malaga Street (Mango Replacement site), is mentioned in this memorandum yet analyzed in a separate document.

The replacement of residential land uses due to the development of the Sierra Avenue at Casa Grande Drive Warehouse would result in the development of a maximum of 219 new residential dwelling units, in addition to the existing units on each site. The 219 dwelling units would be split proportionally between the two replacement sites as follows:

- **Palmetto Avenue/Arrow Boulevard Site**: 24 new dwelling units
    - 8 existing dwelling units
    - 32 onsite total dwelling units

- Proposed Residential Designation: R-MF: Multi-Family Residential (12.1-24 du/ac) or WMXU-1: Walkable Mixed Use Corridor & Downtown (0.2-2 FAR, 3-39 du/ac)

- **Malaga Street/Mango Avenue Site**: 195 new dwelling units
  - 14 existing dwelling units
  - 209 onsite total dwelling units
  - Proposed Residential Designation: R-MF: Multi-Family Residential (12.1-24 du/ac) or WMXU-1: Walkable Mixed Use Corridor & Downtown (0.2-2 FAR, 3-39 du/ac)

Air Quality Impacts

SCAQMD Thresholds

The SCAQMD CEQA Air Quality Handbook provides significance thresholds for volatile organic compounds (VOC) (also referred to as reactive organic gases [ROG]), nitrogen oxides (NO_X), carbon monoxide (CO), sulfur oxides (SO_X), particulate matter 10 microns or less in diameter (PM_{10}), and particulate matter 2.5 microns or less in diameter ($PM_{2.5}$). The thresholds apply to both project construction and operation within the SCAQMD jurisdictional boundaries. If the SCAQMD thresholds are exceeded, a potentially significant impact could result. However, ultimately the lead agency determines the thresholds of significance for impacts. If a project proposes development in excess of the established thresholds, as outlined in **Table 1: South Coast Air Quality Management District Significance Thresholds**, a significant air quality impact may occur and additional analysis is warranted to fully assess the significance of impacts.

Table 1: South Coast Air Quality Management District Significance Thresholds

Pollutant	Mass Daily Thresholds (pounds per day)	
	Construction	Operations
Nitrogen Oxides (NO_X)	100	55
Volatile Organic Compounds (VOC)[1]	75	55
Particulate Matter up to 10 Microns (PM_{10})	150	150
Particulate Matter up to 2.5 Microns ($PM_{2.5}$)	55	55
Sulphur Oxides (SO_X)	150	150
Carbon Monoxide (CO)	550	550

Notes:
1. VOCs and reactive organic gases (ROGs) are subsets of organic gases that are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. Although they represent slightly different subsets of organic gases, they are used interchangeably for the purposes of this analysis.

Source: South Coast Air Quality Management District, SCAQMD Air Quality Significance Thresholds, April 2019. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf

Construction Emissions

Construction associated with the proposed Project 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_X), PM_{10}, and $PM_{2.5}$. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from demolition, 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.

The project would demolish eight existing single-family dwellings on the 3.58-acre site and construct 24 multi-family units. It should be noted that this site was originally estimated at 79 units. Since that time the number of units was refined to 24 units. However, the air quality modeling conservatively uses the original estimate. Construction-generated emissions associated the proposed project were calculated using the CARB-approved California Emissions Estimator Model version 2016.3.2 (CalEEMod), which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A (Air Quality and GHG Data) for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the proposed project are identified in **Table 2: Project Construction Emissions**. Based on CalEEMod estimates, the Project is anticipated to take thirteen months to complete.

Table 2: Project Construction Emissions

Construction Year	Emissions (pounds per day)[1]					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Year 1	8.00	40.55	37.90	0.07	8.93	5.61
Year 2	7.60	29.56	37.22	0.07	2.73	1.71
SCAQMD Threshold	75	100	550	150	150	55
SCAQMD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:

1. SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; replace ground cover of area disturbed; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

Table 2 shows that construction pollutant emissions would remain below their respective thresholds with implementation of required SCAQMD Rule 403. The project would also be required to comply with SCAQMD Rules 402 and 1113, which prohibit nuisances and limit VOC content in paints, respectively. Compliance with SCAQMD rules 402 and 1113 would further reduce specific construction-related emissions. As shown above, all criteria pollutant emissions would remain below their respective thresholds and impacts would be less than significant.

Operational Emissions

Operational emissions are typically associated with mobile sources (i.e., motor vehicle use) and area sources (such as the use of landscape maintenance equipment, hearths, consumer products, and architectural coatings). Energy source emissions would be generated from electricity and natural gas (non-hearth) usage. **Table 3: Operational Emissions** summarizes the operational emissions attributable to the proposed project. It should be noted that this site was originally estimated at 79 units. Since that time the number of units was refined to 24 units. However, the air quality modeling conservatively uses the original estimate. As shown in **Table 3,** the project's emissions would not exceed SCAQMD thresholds. Therefore, regional operations emissions would result in a less than significant long-term regional air quality impact.

Table 3: Operational Emissions

Source	Emissions (pounds per day)[1]					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Existing Emissions						
Area	2.43	0.17	4.73	0.01	0.61	0.61
Energy	<0.01	0.06	0.03	<0.01	<0.01	<0.01
Mobile	0.46	1.48	2.99	<0.01	0.59	0.17
Total	**2.89**	**1.68**	**7.74**	**0.02**	**1.21**	**0.79**
Proposed Emissions						
Area	1.95	0.08	6.52	<0.01	0.04	0.04
Energy	0.02	0.21	0.09	<0.01	0.02	0.02
Mobile	3.11	9.89	20.74	0.06	4.27	1.18
Total	**5.09**	**10.18**	**27.36**	**0.06**	**4.32**	**1.23**
Net Emissions	***2.20***	***8.50***	***19.62***	***0.04***	***3.11***	***0.44***
SCAQMD Threshold	55	55	550	150	150	55
SCAQMD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:
1. Emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod), as recommended by the SCAQMD. Worst-case seasonal maximum daily emissions are reported.

Localized Impacts

The nearest sensitive receptors to the project site are the residences to west on the opposite side of Palmetto Avenue. These residences are located approximately 46 feet (14 meters) from the Project site. To identify impacts to sensitive receptors, the SCAQMD recommends addressing Localized Significance Thresholds (LSTs) for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with project-specific level proposed projects.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, **Table 4: Equipment-Specific Grading Rates** is used to determine the maximum daily disturbed acreage for comparison to LSTs. For this project, the appropriate source receptor area (SRA) for the localized significance thresholds is the Central San Bernardino Valley (SRA 34) area since this area includes the project site. LSTs apply to NO_X, CO, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Based on the daily equipment modeled in CalEEMod, project construction is anticipated to disturb approximately 3.5 acres in a single day. Therefore, the construction LSTs for 3.5 acres has been interpolated for use in this analysis[1].

Table 4: Equipment-Specific Grading Rates

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Site Preparation	Crawler Tractor	4	0.5	8	2.0
	Graders	0	0.5	8	0
	Rubber-Tired Dozers	3	0.5	8	1.5
	Scrapers	0	1.0	8	0
				Total Acres Graded per Day	**3.5**

Source: CalEEMod version 2016.3.2.

The SCAQMD's methodology indicates that "off-site mobile emissions from the project should not be included in the emissions compared to LSTs." Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors to the project site are the residents located 26 feet (14 meters) to the west of the Project site. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, the 25-meter LSTs were used following the SCAQMD LST methodology. **Table 5: Localized Significance of Construction Emissions***,* presents the results of localized emissions during construction activity. **Table 5** shows that the emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during construction activities.

According to the SCAQMD localized significance threshold methodology, operational LSTs apply to on-site sources. LSTs for receptors located at 25 meters for SRA 34 were utilized in this analysis. The 3.6-acre LST threshold has been interpolated for the 3.56-acre project site. The operational emissions shown in **Table 5** include all on-site project-related stationary sources (i.e., area and energy sources). **Table 5** shows that the maximum daily emissions of these pollutants during operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

[1] LST thresholds for 3.5 acres were interpolated using the SCAQMD methodology document (SCAQMD, 2008).

Table 5: Localized Significance of Emissions – Maximum Pounds per Day				
Source/Activity	**Emissions (pounds per day)[1,2]**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Construction Emissions				
Demolition	31.44	21.57	1.81	1.48
Site Preparation	40.50	21.15	8.74	5.56
Grading	24.74	15.86	3.59	2.31
Building Construction, Paving, and Architectural Coating	31.88	33.05	1.73	1.61
Maximum Daily Emissions	*40.50*	*33.05*	*8.74*	*5.56*
SCAQMD Localized Screening Threshold (3.5 acres of disturbance at 25 meters)	220	1,339	11	6
Maximum Daily Emissions Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**
Operational Emissions				
On-Site Emissions (Area and Energy Sources)	0.29	6.61	0.05	0.05
SCAQMD Localized Screening Threshold (3.6 acres at 25 meters)	223	1,364	3	2
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**

Notes:

1. Emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod), as recommended by the SCAQMD. Worst-case seasonal maximum daily emissions are reported.
2. SCAQMD Rule 403 Fugitive Dust applied for construction emissions. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; replace ground cover of area disturbed; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model data outputs.

Carbon Monoxide Hotspots

An analysis of CO "hot spots" is needed to determine whether the change in the level of service (LOS) of an intersection from the proposed project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined.

Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard. An analysis prepared for CO attainment in the South Coast Air Basin by the SCAQMD can assist in evaluating the potential for CO exceedances. CO attainment was thoroughly analyzed as part of the SCAQMD's 2003 *Air Quality Management Plan*. The Basin was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD's AQMP.

The 2003 *Air Quality Management Plan* is the most recent AQMP that addresses CO concentrations. As part of the SCAQMD CO Hotspot analysis, the Wilshire Boulevard/Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 parts per million (ppm), which is well below the 35-ppm federal standard. The proposed project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's 2003 CO hot-spot analysis. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections from 578 daily vehicle trips attributable to the project (520 net new daily trips). Therefore, impacts would be less than significant in this regard.

Greenhouse Gas Emissions

The project would include direct and indirect GHG emissions from project construction and operations. Construction is considered a direct source since these emissions occur at the site. Direct operational-related GHG emissions for the proposed project would include emissions from area and mobile sources, while indirect emissions are from energy consumption, water demand, and solid waste.

Construction GHG Emissions

Construction of the project would result in direct emissions of CO_2, N_2O, and CH_4 from construction equipment and the transport of materials and construction workers to and from the project site.

Construction GHG emissions are typically summed and amortized over the lifetime of the project (assumed to be 30 years), then added to the operational emissions.[2] Total GHG emissions generated during all phases of construction were combined and are presented in **Table 6: Construction Greenhouse Gas Emissions**. The CalEEMod outputs are contained within Appendix A (Air Quality and GHG Data). As shown in **Table 6**, the project construction would result in 695.12 $MTCO_2e$ (approximately 23.17 $MTCO_2e$/year when amortized over 30 years).

Table 6: Construction Greenhouse Gas Emissions	
Construction	**$MTCO_2e$ per Year**
Total Construction	695.13
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model data outputs.	

Operational GHG Emissions

Operational or long-term emissions occur over the life of the proposed project. GHG emissions would result from direct emissions such as project generated vehicular traffic, on-site combustion of natural gas, operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power over the life of the project, the energy required to convey water to, and wastewater from the project site, the emissions associated with solid waste generated from the project site, and any fugitive refrigerants from air conditioning or refrigerators. **Table 7: Total Project Greenhouse Gas Emissions** summarizes the total GHG emissions associated with proposed project. As shown, the project would generate approximately 1,172.50 $MTCO_2e$/year, which is a net increase of 1,004.86 $MTCO_2e$/year over the existing emissions. The project would not result in an increase in GHG emissions that exceed the SCAQMD's screening threshold of 3,000 $MTCO_2e$/yr. Therefore, project-related GHG emissions would be less than significant.

Conclusion

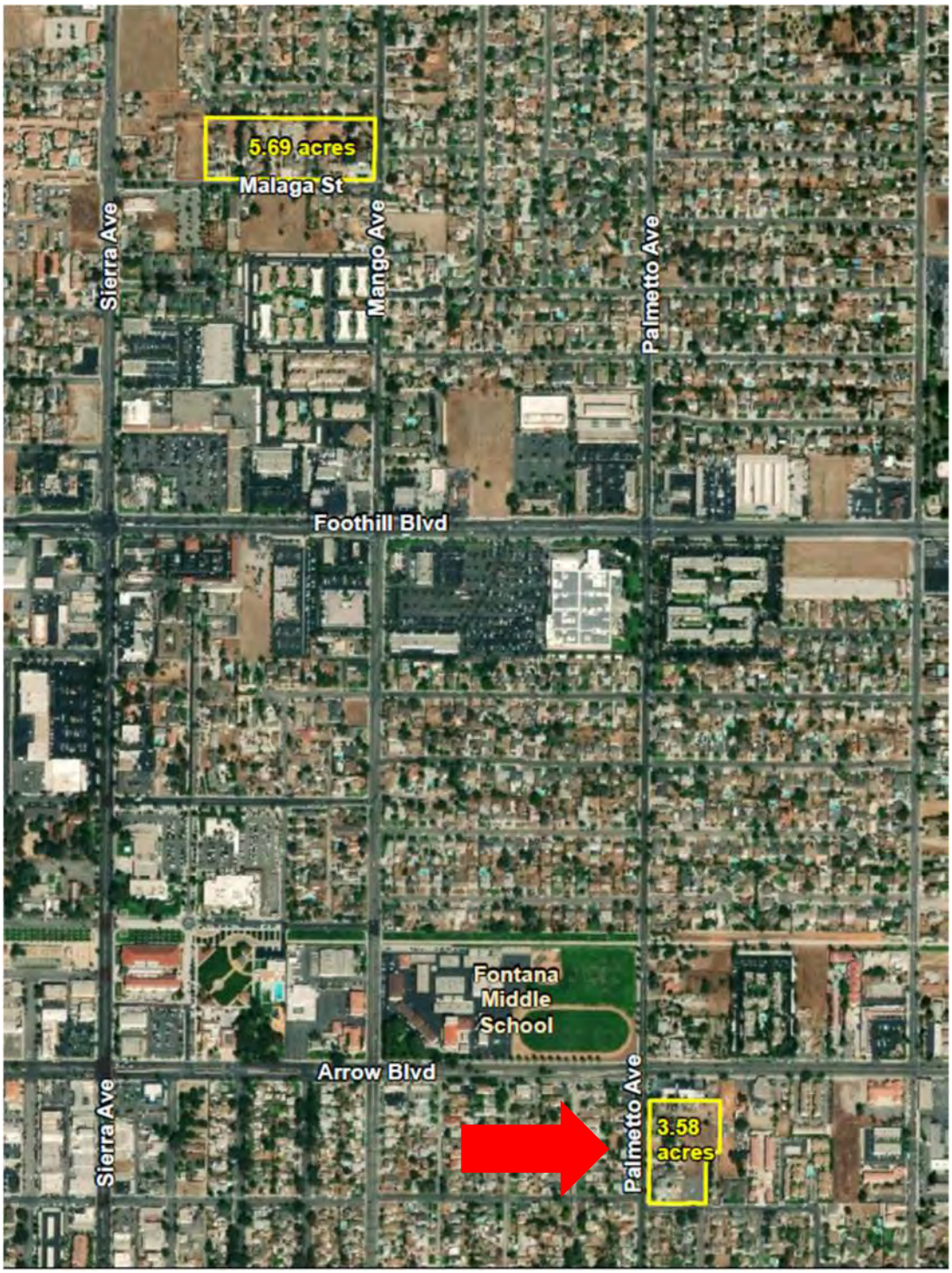
Project implementation would result in less than significant short- and long-term air quality and GHG impacts. No mitigation measures would be required. Therefore, the proposed project would not result in significant effects related to Section 15332(d) of the State CEQA Guidelines.

[2] The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13,* August 26, 2009).

Table 7: Total Project Greenhouse Gas Emissions	
Emissions Source	**$MTCO_2e$ per Year**
Existing Emissions	
Area Source	2.70
Energy	29.36
Mobile	127.70
Waste	4.74
Water & Wastewater	3.14
Total Existing Emissions	**167.64**
Proposed Emissions	
Construction Amortized over 30 Years	23.17
Area Source	1.36
Energy	125.39
Mobile	959.87
Waste	25.91
Water & Wastewater	36.80
Total Project Emissions[1]	**1,172.50**
Net Emissions[1]	***1,004.86***
SCAQMD Project Threshold	3,000.00
Threshold Exceeded?	**No**
Notes: 1. Totals may be slightly off due to rounding.	
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model data outputs.	

Kimley»Horn

Exhibit 1 - Project Location



Appendix A

Air Quality and GHG Data

Sierra Casa Grande - Existing Palmetto Site

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	8.00	Dwelling Unit	3.58	14,400.00	23

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - Based on Traffic Memo, site is 3.58 acres

Construction Phase - Operation modeling only, no construction

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Energy Use -

Sierra Casa Grande - Existing Palmetto Site - San Bernardino-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblLandUse	LotAcreage	2.60	3.58
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	6.2010e-008
tblVehicleEF	HHD	3.46	56.78
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	1.3628e-003
tblVehicleEF	HHD	6,983.95	11,131.44
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	61.71
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	0.09
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005

tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	0.89	4.44
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.06	3.2392e-007
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2225e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005
tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	1.02	5.09
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.07	3.5466e-007
tblVehicleEF	HHD	1.17	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	5.9158e-008
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tblVehicleEF	HHD	0.58	0.82
tblVehicleEF	HHD	1.80	1.2866e-003
tblVehicleEF	HHD	7,395.94	11,121.59
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	60.22
tblVehicleEF	HHD	2.70	3.82

tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	0.08
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	1.8400e-004	7.4933e-005
tblVehicleEF	HHD	3.9090e-003	6.8747e-005
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	1.2106e-007
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tblVehicleEF	HHD	1.2900e-004	5.0009e-005
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tblVehicleEF	HHD	2.4800e-004	3.0699e-004

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tblVehicleEF	HHD	26.84	63.77
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
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tblVehicleEF	HHD	5.6000e-005	2.3980e-005

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tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDA	1.7130e-003	1.5952e-003
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tblVehicleEF	LDA	2.0000e-003	2.0000e-003

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tblVehicleEF	LDA	2.1170e-003	1.7858e-003
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tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	0.11	0.11
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	5.3900e-003	0.05
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tblVehicleEF	LDA	1.10	1.83
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003

tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
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tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
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tblVehicleEF	LDA	0.09	0.19

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
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tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
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tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
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tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
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tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
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tblVehicleEF	LDT1	0.24	0.41
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tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92

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tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
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tblVehicleEF	LDT1	0.04	0.04
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tblVehicleEF	LDT1	0.41	0.33

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tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
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tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
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tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003

tblVehicleEF	LDT2	8.5100e-004	7.1747e-004
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tblVehicleEF	LDT2	0.13	0.15
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tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
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tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.07	0.47
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tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8726e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.52
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.45

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3817e-003
tblVehicleEF	LDT2	8.5100e-004	7.1768e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.14	0.40
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tblVehicleEF	LHD1	0.01	6.6977e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	0.96
tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.27
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	3.7970e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
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tblVehicleEF	LHD1	3.6200e-004	1.0164e-004
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tblVehicleEF	LHD1	0.01	6.8385e-003

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tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
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tblVehicleEF	LHD1	0.13	0.09
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tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07

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tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.30	0.08
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tblVehicleEF	LHD1	0.01	6.7061e-003
tblVehicleEF	LHD1	0.02	0.02
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tblVehicleEF	LHD1	1.00	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004

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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
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tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
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tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
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tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
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tblVehicleEF	LHD2	0.56	0.20
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tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
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tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
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tblVehicleEF	LHD2	0.04	0.05
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tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.3190e-003	4.5208e-003
tblVehicleEF	LHD2	8.7380e-003	9.1365e-003
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tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
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tblVehicleEF	LHD2	0.01	0.01
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tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
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tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
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tblVehicleEF	LHD2	0.09	0.09
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tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7200e-004	7.5771e-005
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32

tblVehicleEF	LHD2	7.2300e-004	0.01
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tblVehicleEF	LHD2	0.10	0.31
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tblVehicleEF	MCY	0.00	2.35
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tblVehicleEF	MCY	0.16	0.24
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tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85

tblVehicleEF	MCY	2.0790e-003	2.0989e-003
tblVehicleEF	MCY	6.9500e-004	6.0412e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12

tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0974e-003
tblVehicleEF	MCY	6.7100e-004	5.8599e-004
tblVehicleEF	MCY	3.14	5.54
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tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
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tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0901e-003
tblVehicleEF	MCY	6.8600e-004	6.0062e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4815e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.42
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003

tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2168e-003
tblVehicleEF	MDV	1.1710e-003	8.8695e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.52
tblVehicleEF	MDV	0.02	7.2388e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.53
tblVehicleEF	MDV	2.99	2.87
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4569e-003
tblVehicleEF	MDV	1.1600e-003	8.7602e-004
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3475e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.43
tblVehicleEF	MDV	488.33	421.93

tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1721e-003
tblVehicleEF	MDV	1.1700e-003	8.8718e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02

tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9062e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60

tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.05
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tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8803e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08

tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.27
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	7.1900e-004	1.9071e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9776e-003
tblVehicleEF	MHD	0.06	3.0950e-003
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tblVehicleEF	MHD	0.31	0.52
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tblVehicleEF	MHD	1,105.72	1,006.19
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tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	4.1800e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.4910e-003	7.3954e-003
tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4400e-004	2.9599e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0068e-003
tblVehicleEF	MHD	0.05	2.9712e-003
tblVehicleEF	MHD	0.24	2.72
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
tblVehicleEF	MHD	164.29	793.74
tblVehicleEF	MHD	1,105.72	1,006.20

tblVehicleEF	MHD	53.92	2.96
tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	1.6690e-003	4.8007e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	7.5183e-003
tblVehicleEF	MHD	0.01	9.5625e-003
tblVehicleEF	MHD	6.3800e-004	2.9257e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003
tblVehicleEF	MHD	0.03	0.22

tblVehicleEF	MHD	1.6690e-003	4.8007e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.1530e-003	5.9777e-003
tblVehicleEF	MHD	0.06	3.0729e-003
tblVehicleEF	MHD	0.46	3.91
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.36
tblVehicleEF	MHD	142.41	762.95
tblVehicleEF	MHD	1,105.72	1,006.19
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tblVehicleEF	MHD	0.60	6.81
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38
tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003

tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	7.2255e-003
tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4300e-004	2.9551e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003
tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	9.46
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tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.32	9.92
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tblVehicleEF	OBUS	1.97	0.99
tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
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tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
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tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	1.3703e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
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tblVehicleEF	OBUS	0.05	0.19

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tblVehicleEF	OBUS	0.01	9.0271e-003
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tblVehicleEF	OBUS	73.34	1,565.29
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
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tblVehicleEF	OBUS	9.1000e-005	0.03
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tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
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tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.07	0.11
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tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8724e-003
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tblVehicleEF	OBUS	0.28	10.12
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tblVehicleEF	OBUS	65.88	1,542.13
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tblVehicleEF	OBUS	71.08	13.85
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tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99
tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	0.13	0.13

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.4100e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	1.3709e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.20
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tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3513e-003

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tblVehicleEF	SBUS	5.64	28.74
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tblVehicleEF	SBUS	5.49	2.56
tblVehicleEF	SBUS	1,270.71	3,328.19
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tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
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tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4628e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4937e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.48	28.38
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	1.85
tblVehicleEF	SBUS	1,335.64	3,405.36
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	13.61
tblVehicleEF	SBUS	12.86	31.23
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.76
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004

tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.35
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.23	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3464e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.96	4.83
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3427e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85

tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4820e-004

tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.2991e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	0.66	0.07

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6230e-003	1.0563e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4408e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	0.02	7.1139e-003

tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.5760e-003	1.0359e-004
tblVehicleEF	UBUS	0.02	7.1139e-003
tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3769e-003
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003

tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6140e-003	1.0583e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.1393	19.3021	17.0040	0.0275	0.0399	1.1178	1.1577	0.0107	1.0510	1.0617	0.0000	2,615.5757	2,615.5757	0.6258	0.0000	2,631.2195
Maximum	**2.1393**	**19.3021**	**17.0040**	**0.0275**	**0.0399**	**1.1178**	**1.1577**	**0.0107**	**1.0510**	**1.0617**	**0.0000**	**2,615.5757**	**2,615.5757**	**0.6258**	**0.0000**	**2,631.2195**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.1393	19.3021	17.0040	0.0275	0.0399	1.1178	1.1577	0.0107	1.0510	1.0617	0.0000	2,615.5757	2,615.5757	0.6258	0.0000	2,631.2195
Maximum	**2.1393**	**19.3021**	**17.0040**	**0.0275**	**0.0399**	**1.1178**	**1.1577**	**0.0107**	**1.0510**	**1.0617**	**0.0000**	**2,615.5757**	**2,615.5757**	**0.6258**	**0.0000**	**2,631.2195**

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

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	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550
Energy	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Mobile	0.4568	1.3766	2.9857	8.0700e-003	0.5764	0.0118	0.5881	0.1540	0.0118	0.1658		844.0838	844.0838	0.0513		845.3674
Total	**2.8902**	**1.6120**	**7.7419**	**0.0189**	**0.5764**	**0.6315**	**1.2079**	**0.1540**	**0.6315**	**0.7856**	**74.9354**	**1,068.1664**	**1,143.1018**	**0.2775**	**6.5400e-003**	**1,151.9854**

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	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550
Energy	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Mobile	0.4568	1.3766	2.9857	8.0700e-003	0.5764	0.0118	0.5881	0.1540	0.0118	0.1658		844.0838	844.0838	0.0513		845.3674
Total	**2.8902**	**1.6120**	**7.7419**	**0.0189**	**0.5764**	**0.6315**	**1.2079**	**0.1540**	**0.6315**	**0.7856**	**74.9354**	**1,068.1664**	**1,143.1018**	**0.2775**	**6.5400e-003**	**1,151.9854**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/15/2020	5/15/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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
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

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
Building Construction	9	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2020

Unmitigated Construction On-Site

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

3.2 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.0400e-003	0.1055	0.0206	2.7000e-004	6.4000e-003	4.9000e-004	6.8900e-003	1.8400e-003	4.6000e-004	2.3100e-003		28.6101	28.6101	1.8600e-003		28.6566
Worker	0.0164	0.0105	0.1349	3.4000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.1000e-003		33.9025	33.9025	1.0300e-003		33.9284
Total	**0.0194**	**0.1160**	**0.1555**	**6.1000e-004**	**0.0399**	**7.1000e-004**	**0.0406**	**0.0107**	**6.6000e-004**	**0.0114**		**62.5127**	**62.5127**	**2.8900e-003**		**62.5850**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.2 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.0400e-003	0.1055	0.0206	2.7000e-004	6.4000e-003	4.9000e-004	6.8900e-003	1.8400e-003	4.6000e-004	2.3100e-003		28.6101	28.6101	1.8600e-003		28.6566
Worker	0.0164	0.0105	0.1349	3.4000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.1000e-003		33.9025	33.9025	1.0300e-003		33.9284
Total	**0.0194**	**0.1160**	**0.1555**	**6.1000e-004**	**0.0399**	**7.1000e-004**	**0.0406**	**0.0107**	**6.6000e-004**	**0.0114**		**62.5127**	**62.5127**	**2.8900e-003**		**62.5850**

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	0.4568	1.3766	2.9857	8.0700e-003	0.5764	0.0118	0.5881	0.1540	0.0118	0.1658		844.0838	844.0838	0.0513		845.3674
Unmitigated	0.4568	1.3766	2.9857	8.0700e-003	0.5764	0.0118	0.5881	0.1540	0.0118	0.1658		844.0838	844.0838	0.0513		845.3674

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	76.16	79.28	68.96	258,259	258,259
Total	76.16	79.28	68.96	258,259	258,259

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

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	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
NaturalGas Unmitigated	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630

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					
Single Family Housing	670.601	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Total		**7.2300e-003**	**0.0618**	**0.0263**	**3.9000e-004**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**		**78.8942**	**78.8942**	**1.5100e-003**	**1.4500e-003**	**79.3630**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.670601	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Total		**7.2300e-003**	**0.0618**	**0.0263**	**3.9000e-004**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**		**78.8942**	**78.8942**	**1.5100e-003**	**1.4500e-003**	**79.3630**

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	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550
Unmitigated	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550

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	0.0247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0963	0.1660	4.0684	0.0104		0.6111	0.6111		0.6111	0.6111	74.9354	144.0000	218.9354	0.2235	5.0900e-003	226.0378
Landscaping	0.0200	7.6400e-003	0.6614	3.0000e-005		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		1.1884	1.1884	1.1500e-003		1.2172
Total	**2.4261**	**0.1736**	**4.7299**	**0.0104**		**0.6148**	**0.6148**		**0.6148**	**0.6148**	**74.9354**	**145.1884**	**220.1238**	**0.2246**	**5.0900e-003**	**227.2550**

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	0.0247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0963	0.1660	4.0684	0.0104		0.6111	0.6111		0.6111	0.6111	74.9354	144.0000	218.9354	0.2235	5.0900e-003	226.0378
Landscaping	0.0200	7.6400e-003	0.6614	3.0000e-005		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		1.1884	1.1884	1.1500e-003		1.2172
Total	**2.4261**	**0.1736**	**4.7299**	**0.0104**		**0.6148**	**0.6148**		**0.6148**	**0.6148**	**74.9354**	**145.1884**	**220.1238**	**0.2246**	**5.0900e-003**	**227.2550**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Existing Palmetto Site

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	8.00	Dwelling Unit	3.58	14,400.00	23

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - Based on Traffic Memo, site is 3.58 acres

Construction Phase - Operation modeling only, no construction

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Energy Use -

Sierra Casa Grande - Existing Palmetto Site - San Bernardino-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblLandUse	LotAcreage	2.60	3.58
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	6.2010e-008
tblVehicleEF	HHD	3.46	56.78
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	1.3628e-003
tblVehicleEF	HHD	6,983.95	11,131.44
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	61.71
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	0.09
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005

tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	0.89	4.44
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.06	3.2392e-007
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2225e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005
tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	1.02	5.09
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.07	3.5466e-007
tblVehicleEF	HHD	1.17	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	5.9158e-008
tblVehicleEF	HHD	2.52	55.32
tblVehicleEF	HHD	0.58	0.82
tblVehicleEF	HHD	1.80	1.2866e-003
tblVehicleEF	HHD	7,395.94	11,121.59
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	60.22
tblVehicleEF	HHD	2.70	3.82

tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
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tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	1.2106e-007
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tblVehicleEF	HHD	1.2900e-004	5.0009e-005
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tblVehicleEF	HHD	2.4800e-004	3.0699e-004

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tblVehicleEF	HHD	1.89	1.3521e-003
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tblVehicleEF	HHD	1,493.95	1,530.36
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tblVehicleEF	HHD	26.84	63.77
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tblVehicleEF	HHD	0.02	0.10
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.02	0.09
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
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tblVehicleEF	HHD	3.7830e-003	7.0570e-005
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tblVehicleEF	HHD	5.6000e-005	2.3980e-005

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tblVehicleEF	HHD	2.5900e-004	3.1321e-004
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tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2209e-007
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tblVehicleEF	HHD	3.7830e-003	7.0570e-005
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tblVehicleEF	HHD	5.6000e-005	2.3980e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	3.1321e-004
tblVehicleEF	HHD	0.07	3.5268e-007
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tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDA	2.0000e-003	2.0000e-003

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tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
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tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	2.3020e-003	1.9422e-003
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tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
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tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	0.09	0.19

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6427e-003
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tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7916e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83

tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
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tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1847e-003
tblVehicleEF	LDT1	7.9900e-004	6.6515e-004
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.66
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8172e-003
tblVehicleEF	LDT1	0.02	0.08

tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5655e-004
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	1.26
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92

tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6227e-003
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tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
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tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1414e-003
tblVehicleEF	LDT1	7.9800e-004	6.6532e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33

tblVehicleEF	LDT1	0.12	0.63
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.50
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003

tblVehicleEF	LDT2	8.5100e-004	7.1747e-004
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5829e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
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tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6513e-003
tblVehicleEF	LDT2	8.4600e-004	7.0862e-004
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8726e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
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tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.45

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LDT2	8.5100e-004	7.1768e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
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tblVehicleEF	LDT2	0.14	0.40
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tblVehicleEF	LHD1	9.23	129.36
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tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	9.8527e-003
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tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
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tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8480e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
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tblVehicleEF	LHD1	0.01	9.8527e-003
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tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
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tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
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tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07

tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0370e-003	6.4475e-003
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tblVehicleEF	LHD1	0.02	0.42
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tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
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tblVehicleEF	LHD1	9.6600e-004	0.01
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tblVehicleEF	LHD1	0.01	9.8527e-003
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tblVehicleEF	LHD1	1.0070e-003	2.4440e-004

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tblVehicleEF	LHD2	0.01	0.01
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tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
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tblVehicleEF	LHD2	0.12	0.05
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tblVehicleEF	LHD2	0.10	0.29
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tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003

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tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
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tblVehicleEF	LHD2	0.10	0.29
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tblVehicleEF	LHD2	614.63	675.54

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tblVehicleEF	LHD2	0.09	0.09
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tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
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tblVehicleEF	LHD2	0.10	0.31
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tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85

tblVehicleEF	MCY	2.0790e-003	2.0989e-003
tblVehicleEF	MCY	6.9500e-004	6.0412e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12

tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0974e-003
tblVehicleEF	MCY	6.7100e-004	5.8599e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0901e-003
tblVehicleEF	MCY	6.8600e-004	6.0062e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4815e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.42
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003

tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2168e-003
tblVehicleEF	MDV	1.1710e-003	8.8695e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.52
tblVehicleEF	MDV	0.02	7.2388e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.53
tblVehicleEF	MDV	2.99	2.87
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4569e-003
tblVehicleEF	MDV	1.1600e-003	8.7602e-004
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3475e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.43
tblVehicleEF	MDV	488.33	421.93

tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1721e-003
tblVehicleEF	MDV	1.1700e-003	8.8718e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02

tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
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tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9062e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60

tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.05
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8803e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08

tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.27
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
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tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	7.1900e-004	1.9071e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
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tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9776e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
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tblVehicleEF	MHD	155.10	780.82
tblVehicleEF	MHD	1,105.72	1,006.19
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tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
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tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
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tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
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tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
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tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4400e-004	2.9599e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0068e-003
tblVehicleEF	MHD	0.05	2.9712e-003
tblVehicleEF	MHD	0.24	2.72
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
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tblVehicleEF	MHD	1,105.72	1,006.20

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tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
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tblVehicleEF	MHD	6.3800e-004	2.9257e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003
tblVehicleEF	MHD	0.03	0.22

tblVehicleEF	MHD	1.6690e-003	4.8007e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.1530e-003	5.9777e-003
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tblVehicleEF	MHD	0.31	0.52
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tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99
tblVehicleEF	MHD	0.60	6.81
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38
tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003

tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
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tblVehicleEF	MHD	0.02	0.04
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tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4300e-004	2.9551e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003
tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
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tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
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tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.32	9.92
tblVehicleEF	OBUS	1.10	1.64

tblVehicleEF	OBUS	1.97	0.99
tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.0800e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
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tblVehicleEF	OBUS	9.4600e-004	0.01
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tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.8200e-004	0.01
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tblVehicleEF	OBUS	8.2800e-004	1.3703e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
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tblVehicleEF	OBUS	0.05	0.19

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tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	9.0271e-003
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tblVehicleEF	OBUS	0.26	8.98
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	1.56
tblVehicleEF	OBUS	73.34	1,565.29
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	9.1000e-005	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	2.1830e-003	0.03

tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.39	0.08
tblVehicleEF	OBUS	7.1200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	1.3507e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8724e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	10.12
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	1.68
tblVehicleEF	OBUS	65.88	1,542.13
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.31	9.95
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99
tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	0.13	0.13

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.4100e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	1.3709e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3513e-003

tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.64	28.74
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	2.56
tblVehicleEF	SBUS	1,270.71	3,328.19
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.78
tblVehicleEF	SBUS	12.46	30.54
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4628e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4937e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.48	28.38
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	1.85
tblVehicleEF	SBUS	1,335.64	3,405.36
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	13.61
tblVehicleEF	SBUS	12.86	31.23
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.76
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004

tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.35
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.23	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3464e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.96	4.83
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3427e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85

tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4820e-004

tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.2991e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	0.66	0.07

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6230e-003	1.0563e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4408e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	0.02	7.1139e-003

tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.5760e-003	1.0359e-004
tblVehicleEF	UBUS	0.02	7.1139e-003
tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3769e-003
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003

tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6140e-003	1.0583e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.1394	19.3018	16.9832	0.0275	0.0399	1.1178	1.1577	0.0107	1.0510	1.0617	0.0000	2,610.9756	2,610.9756	0.6258	0.0000	2,626.6211
Maximum	**2.1394**	**19.3018**	**16.9832**	**0.0275**	**0.0399**	**1.1178**	**1.1577**	**0.0107**	**1.0510**	**1.0617**	**0.0000**	**2,610.9756**	**2,610.9756**	**0.6258**	**0.0000**	**2,626.6211**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.1394	19.3018	16.9832	0.0275	0.0399	1.1178	1.1577	0.0107	1.0510	1.0617	0.0000	2,610.9756	2,610.9756	0.6258	0.0000	2,626.6210
Maximum	**2.1394**	**19.3018**	**16.9832**	**0.0275**	**0.0399**	**1.1178**	**1.1577**	**0.0107**	**1.0510**	**1.0617**	**0.0000**	**2,610.9756**	**2,610.9756**	**0.6258**	**0.0000**	**2,626.6210**

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

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	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550
Energy	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Mobile	0.3616	1.4471	2.7702	7.6800e-003	0.5764	0.0120	0.5883	0.1540	0.0119	0.1659		804.8643	804.8643	0.0518		806.1592
Total	**2.7949**	**1.6826**	**7.5263**	**0.0185**	**0.5764**	**0.6317**	**1.2081**	**0.1540**	**0.6316**	**0.7857**	**74.9354**	**1,028.9469**	**1,103.8823**	**0.2779**	**6.5400e-003**	**1,112.7772**

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	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550
Energy	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Mobile	0.3616	1.4471	2.7702	7.6800e-003	0.5764	0.0120	0.5883	0.1540	0.0119	0.1659		804.8643	804.8643	0.0518		806.1592
Total	**2.7949**	**1.6826**	**7.5263**	**0.0185**	**0.5764**	**0.6317**	**1.2081**	**0.1540**	**0.6316**	**0.7857**	**74.9354**	**1,028.9469**	**1,103.8823**	**0.2779**	**6.5400e-003**	**1,112.7772**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/15/2020	5/15/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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
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

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
Building Construction	9	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2020

Unmitigated Construction On-Site

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

3.2 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2000e-003	0.1047	0.0238	2.6000e-004	6.4000e-003	4.9000e-004	6.9000e-003	1.8400e-003	4.7000e-004	2.3100e-003		27.5000	27.5000	2.0500e-003		27.5514
Worker	0.0164	0.0111	0.1109	3.1000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.1000e-003		30.4125	30.4125	9.1000e-004		30.4352
Total	**0.0196**	**0.1157**	**0.1347**	**5.7000e-004**	**0.0399**	**7.1000e-004**	**0.0407**	**0.0107**	**6.7000e-004**	**0.0114**		**57.9125**	**57.9125**	**2.9600e-003**		**57.9866**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.2 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2000e-003	0.1047	0.0238	2.6000e-004	6.4000e-003	4.9000e-004	6.9000e-003	1.8400e-003	4.7000e-004	2.3100e-003		27.5000	27.5000	2.0500e-003		27.5514
Worker	0.0164	0.0111	0.1109	3.1000e-004	0.0335	2.2000e-004	0.0338	8.8900e-003	2.0000e-004	9.1000e-003		30.4125	30.4125	9.1000e-004		30.4352
Total	**0.0196**	**0.1157**	**0.1347**	**5.7000e-004**	**0.0399**	**7.1000e-004**	**0.0407**	**0.0107**	**6.7000e-004**	**0.0114**		**57.9125**	**57.9125**	**2.9600e-003**		**57.9866**

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	0.3616	1.4471	2.7702	7.6800e-003	0.5764	0.0120	0.5883	0.1540	0.0119	0.1659		804.8643	804.8643	0.0518		806.1592
Unmitigated	0.3616	1.4471	2.7702	7.6800e-003	0.5764	0.0120	0.5883	0.1540	0.0119	0.1659		804.8643	804.8643	0.0518		806.1592

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	76.16	79.28	68.96	258,259	258,259
Total	76.16	79.28	68.96	258,259	258,259

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

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	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
NaturalGas Unmitigated	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630

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					
Single Family Housing	670.601	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Total		**7.2300e-003**	**0.0618**	**0.0263**	**3.9000e-004**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**		**78.8942**	**78.8942**	**1.5100e-003**	**1.4500e-003**	**79.3630**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.670601	7.2300e-003	0.0618	0.0263	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.8942	78.8942	1.5100e-003	1.4500e-003	79.3630
Total		**7.2300e-003**	**0.0618**	**0.0263**	**3.9000e-004**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**		**78.8942**	**78.8942**	**1.5100e-003**	**1.4500e-003**	**79.3630**

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	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550
Unmitigated	2.4261	0.1736	4.7299	0.0104		0.6148	0.6148		0.6148	0.6148	74.9354	145.1884	220.1238	0.2246	5.0900e-003	227.2550

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	0.0247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0963	0.1660	4.0684	0.0104		0.6111	0.6111		0.6111	0.6111	74.9354	144.0000	218.9354	0.2235	5.0900e-003	226.0378
Landscaping	0.0200	7.6400e-003	0.6614	3.0000e-005		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		1.1884	1.1884	1.1500e-003		1.2172
Total	**2.4261**	**0.1736**	**4.7299**	**0.0104**		**0.6148**	**0.6148**		**0.6148**	**0.6148**	**74.9354**	**145.1884**	**220.1238**	**0.2246**	**5.0900e-003**	**227.2550**

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	0.0247					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.0963	0.1660	4.0684	0.0104		0.6111	0.6111		0.6111	0.6111	74.9354	144.0000	218.9354	0.2235	5.0900e-003	226.0378
Landscaping	0.0200	7.6400e-003	0.6614	3.0000e-005		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003		1.1884	1.1884	1.1500e-003		1.2172
Total	**2.4261**	**0.1736**	**4.7299**	**0.0104**		**0.6148**	**0.6148**		**0.6148**	**0.6148**	**74.9354**	**145.1884**	**220.1238**	**0.2246**	**5.0900e-003**	**227.2550**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Existing Palmetto Site

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	8.00	Dwelling Unit	3.58	14,400.00	23

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - Based on Traffic Memo, site is 3.58 acres

Construction Phase - Operation modeling only, no construction

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2021 San Bernardino County SC

Energy Use -

Sierra Casa Grande - Existing Palmetto Site - San Bernardino-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblLandUse	LotAcreage	2.60	3.58
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.24	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	6.2010e-008
tblVehicleEF	HHD	3.46	56.78
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	1.3628e-003
tblVehicleEF	HHD	6,983.95	11,131.44
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.07	61.71
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	0.09
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005

tblVehicleEF	HHD	3.4490e-003	6.0404e-005
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tblVehicleEF	HHD	2.4200e-004	2.9900e-004
tblVehicleEF	HHD	0.06	3.2392e-007
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2225e-007
tblVehicleEF	HHD	9.3000e-005	3.8074e-005
tblVehicleEF	HHD	3.4490e-003	6.0404e-005
tblVehicleEF	HHD	1.02	5.09
tblVehicleEF	HHD	5.7000e-005	2.2490e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	2.9900e-004
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tblVehicleEF	HHD	1.17	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	5.9158e-008
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tblVehicleEF	HHD	0.58	0.82
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tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.01
tblVehicleEF	HHD	28.97	60.22
tblVehicleEF	HHD	2.70	3.82

tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.01	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
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tblVehicleEF	HHD	1.2900e-004	5.0009e-005
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4800e-004	3.0699e-004
tblVehicleEF	HHD	0.06	3.0995e-007
tblVehicleEF	HHD	0.07	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	1.2106e-007
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tblVehicleEF	HHD	1.2900e-004	5.0009e-005
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	3.4971e-007
tblVehicleEF	HHD	0.02	0.09
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8324e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	3.2155e-007
tblVehicleEF	HHD	9.4000e-005	4.0516e-005
tblVehicleEF	HHD	3.7830e-003	7.0570e-005
tblVehicleEF	HHD	0.96	4.20
tblVehicleEF	HHD	5.6000e-005	2.3980e-005

tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.5900e-004	3.1321e-004
tblVehicleEF	HHD	0.06	3.2212e-007
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	1.2209e-007
tblVehicleEF	HHD	9.4000e-005	4.0516e-005
tblVehicleEF	HHD	3.7830e-003	7.0570e-005
tblVehicleEF	HHD	1.10	4.81
tblVehicleEF	HHD	5.6000e-005	2.3980e-005
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	3.1321e-004
tblVehicleEF	HHD	0.07	3.5268e-007
tblVehicleEF	LDA	4.6640e-003	2.8723e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18
tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.44
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.20
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003

tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6841e-003
tblVehicleEF	LDA	6.1500e-004	5.4865e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2405e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82
tblVehicleEF	LDA	59.28	54.78
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003

tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
tblVehicleEF	LDA	0.10	0.57
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9069e-003
tblVehicleEF	LDA	6.1100e-004	5.4209e-004
tblVehicleEF	LDA	0.10	0.57
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.46
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8134e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.45
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.7130e-003	1.5952e-003
tblVehicleEF	LDA	2.3020e-003	1.9422e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5790e-003	1.4689e-003
tblVehicleEF	LDA	2.1170e-003	1.7858e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6427e-003
tblVehicleEF	LDA	6.1500e-004	5.4876e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7916e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83

tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1847e-003
tblVehicleEF	LDT1	7.9900e-004	6.6515e-004
tblVehicleEF	LDT1	0.19	0.94
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.66
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8172e-003
tblVehicleEF	LDT1	0.02	0.08

tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
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tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5655e-004
tblVehicleEF	LDT1	0.40	1.78
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	1.26
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92

tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6227e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8630e-003	2.5651e-003
tblVehicleEF	LDT1	3.8930e-003	3.0662e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6370e-003	2.3606e-003
tblVehicleEF	LDT1	3.5800e-003	2.8195e-003
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1414e-003
tblVehicleEF	LDT1	7.9800e-004	6.6532e-004
tblVehicleEF	LDT1	0.20	0.93
tblVehicleEF	LDT1	0.41	0.33

tblVehicleEF	LDT1	0.12	0.63
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
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tblVehicleEF	LDT2	81.97	72.50
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
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tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003

tblVehicleEF	LDT2	8.5100e-004	7.1747e-004
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5829e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.61
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.14	0.89
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6513e-003
tblVehicleEF	LDT2	8.4600e-004	7.0862e-004
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tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.73
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8726e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
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tblVehicleEF	LDT2	81.97	72.52
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7370e-003	1.6805e-003
tblVehicleEF	LDT2	2.4180e-003	2.0128e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5980e-003	1.5465e-003
tblVehicleEF	LDT2	2.2230e-003	1.8508e-003
tblVehicleEF	LDT2	0.07	0.45

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LDT2	8.5100e-004	7.1768e-004
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
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tblVehicleEF	LDT2	0.14	0.40
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	2.43
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tblVehicleEF	LHD1	9.23	129.36
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.27
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.30
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
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tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
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tblVehicleEF	LHD1	0.11	0.08
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tblVehicleEF	LHD1	614.92	661.62
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tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
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tblVehicleEF	LHD1	1.0070e-003	2.4440e-004
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
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tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
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tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.52
tblVehicleEF	LHD1	0.27	0.07

tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0370e-003	6.4475e-003
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tblVehicleEF	LHD1	7.5090e-003	0.08
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	4.2150e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.52
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tblVehicleEF	LHD1	0.01	6.7061e-003
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tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	10.26
tblVehicleEF	LHD1	0.09	1.08
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.29
tblVehicleEF	LHD1	9.6600e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8527e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.4440e-004

tblVehicleEF	LHD1	9.2400e-004	0.01
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tblVehicleEF	LHD1	2.5280e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	9.8739e-003
tblVehicleEF	LHD1	9.2600e-004	2.2471e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.30
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	1.2520e-003
tblVehicleEF	LHD1	6.0360e-003	6.4472e-003
tblVehicleEF	LHD1	3.6100e-004	1.0153e-004
tblVehicleEF	LHD1	4.1760e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.42
tblVehicleEF	LHD1	1.8200e-003	0.02
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.56
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2410e-003	4.4729e-003
tblVehicleEF	LHD2	9.1660e-003	9.5030e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54

tblVehicleEF	LHD2	1.29	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54
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tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.20
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7300e-004	7.5837e-005

tblVehicleEF	LHD2	1.4000e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	7.3800e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.3190e-003	4.5208e-003
tblVehicleEF	LHD2	8.7380e-003	9.1365e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.57
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	7.61
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.04
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7100e-004	7.5288e-005
tblVehicleEF	LHD2	2.7070e-003	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32
tblVehicleEF	LHD2	1.6130e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	0.05
tblVehicleEF	LHD2	5.2490e-003	4.4768e-003
tblVehicleEF	LHD2	9.0820e-003	9.4564e-003
tblVehicleEF	LHD2	0.12	1.91
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.60
tblVehicleEF	LHD2	14.32	192.43
tblVehicleEF	LHD2	614.63	675.54

tblVehicleEF	LHD2	24.89	7.66
tblVehicleEF	LHD2	0.12	1.49
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.19
tblVehicleEF	LHD2	1.3030e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.2348e-004
tblVehicleEF	LHD2	1.2470e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6810e-003	2.6481e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.1354e-004
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.8412e-003
tblVehicleEF	LHD2	5.9810e-003	6.5316e-003
tblVehicleEF	LHD2	2.7200e-004	7.5771e-005
tblVehicleEF	LHD2	1.4600e-003	0.02
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.32

tblVehicleEF	LHD2	7.2300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.00	2.35
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85

tblVehicleEF	MCY	2.0790e-003	2.0989e-003
tblVehicleEF	MCY	6.9500e-004	6.0412e-004
tblVehicleEF	MCY	1.45	2.84
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.00	2.30
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12

tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0974e-003
tblVehicleEF	MCY	6.7100e-004	5.8599e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	3.54
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8190e-003	1.9176e-003
tblVehicleEF	MCY	3.7460e-003	3.0149e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

tblVehicleEF	MCY	1.7050e-003	1.7947e-003
tblVehicleEF	MCY	3.5370e-003	2.8421e-003
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0901e-003
tblVehicleEF	MCY	6.8600e-004	6.0062e-004
tblVehicleEF	MCY	1.71	3.14
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4815e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.42
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.63
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003

tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2168e-003
tblVehicleEF	MDV	1.1710e-003	8.8695e-004
tblVehicleEF	MDV	0.10	0.54
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.48
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.52
tblVehicleEF	MDV	0.02	7.2388e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.53
tblVehicleEF	MDV	2.99	2.87
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.52
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4569e-003
tblVehicleEF	MDV	1.1600e-003	8.7602e-004
tblVehicleEF	MDV	0.21	1.01
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.88
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3475e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.43
tblVehicleEF	MDV	488.33	421.93

tblVehicleEF	MDV	110.76	89.65
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8680e-003	1.7761e-003
tblVehicleEF	MDV	2.5890e-003	2.1405e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.7240e-003	1.6382e-003
tblVehicleEF	MDV	2.3820e-003	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1721e-003
tblVehicleEF	MDV	1.1700e-003	8.8718e-004
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.46
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02

tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.21
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.60
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9062e-004
tblVehicleEF	MH	1.56	0.12
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.04
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.60

tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
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tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.00
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.8803e-004
tblVehicleEF	MH	3.12	0.21
tblVehicleEF	MH	0.11	0.08

tblVehicleEF	MH	1.30	0.09
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.59
tblVehicleEF	MH	0.41	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.21
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tblVehicleEF	MH	59.91	19.27
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.6760e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2210e-003	3.2701e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	7.1900e-004	1.9071e-004
tblVehicleEF	MH	1.88	0.13
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.05
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.68
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1450e-003	5.9776e-003
tblVehicleEF	MHD	0.06	3.0950e-003
tblVehicleEF	MHD	0.33	3.22
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.36
tblVehicleEF	MHD	155.10	780.82
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99
tblVehicleEF	MHD	0.63	6.91
tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.38
tblVehicleEF	MHD	4.3700e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	4.1800e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.02	0.18
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.4910e-003	7.3954e-003
tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4400e-004	2.9599e-005
tblVehicleEF	MHD	1.4330e-003	4.5971e-003
tblVehicleEF	MHD	0.05	7.3277e-003
tblVehicleEF	MHD	0.03	0.23
tblVehicleEF	MHD	7.1400e-004	2.3841e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.40	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2290e-003	6.0068e-003
tblVehicleEF	MHD	0.05	2.9712e-003
tblVehicleEF	MHD	0.24	2.72
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.34
tblVehicleEF	MHD	164.29	793.74
tblVehicleEF	MHD	1,105.72	1,006.20

tblVehicleEF	MHD	53.92	2.96
tblVehicleEF	MHD	0.65	6.98
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.38
tblVehicleEF	MHD	3.6900e-004	0.02
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	3.5300e-004	0.02
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003
tblVehicleEF	MHD	0.02	0.17
tblVehicleEF	MHD	1.6690e-003	4.8007e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	1.5770e-003	7.5183e-003
tblVehicleEF	MHD	0.01	9.5625e-003
tblVehicleEF	MHD	6.3800e-004	2.9257e-005
tblVehicleEF	MHD	2.8480e-003	8.4261e-003
tblVehicleEF	MHD	0.05	8.5068e-003
tblVehicleEF	MHD	0.03	0.22

tblVehicleEF	MHD	1.6690e-003	4.8007e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.38	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	4.1530e-003	5.9777e-003
tblVehicleEF	MHD	0.06	3.0729e-003
tblVehicleEF	MHD	0.46	3.91
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.36
tblVehicleEF	MHD	142.41	762.95
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	2.99
tblVehicleEF	MHD	0.60	6.81
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.38
tblVehicleEF	MHD	5.3200e-004	0.03
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	3.6519e-005
tblVehicleEF	MHD	5.0900e-004	0.03
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	3.3578e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003

tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.03	0.19
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.36	0.02
tblVehicleEF	MHD	1.3710e-003	7.2255e-003
tblVehicleEF	MHD	0.01	9.5624e-003
tblVehicleEF	MHD	6.4300e-004	2.9551e-005
tblVehicleEF	MHD	1.5800e-003	4.8402e-003
tblVehicleEF	MHD	0.05	8.2352e-003
tblVehicleEF	MHD	0.04	0.24
tblVehicleEF	MHD	7.0500e-004	2.4385e-003
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.39	0.02
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	9.46
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	1.67
tblVehicleEF	OBUS	70.21	1,555.56
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.32	9.92
tblVehicleEF	OBUS	1.10	1.64

tblVehicleEF	OBUS	1.97	0.99
tblVehicleEF	OBUS	1.1300e-004	0.04
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.0800e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.8200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	1.3703e-004
tblVehicleEF	OBUS	2.2350e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.4600e-004	0.01
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.19

tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	9.0271e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	8.98
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	1.56
tblVehicleEF	OBUS	73.34	1,565.29
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	13.65
tblVehicleEF	OBUS	0.33	9.91
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.99
tblVehicleEF	OBUS	9.5000e-005	0.03
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	9.1000e-005	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	2.1830e-003	0.03

tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.39	0.08
tblVehicleEF	OBUS	7.1200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	1.3507e-004
tblVehicleEF	OBUS	4.3510e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	2.1830e-003	0.03
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.01	8.8724e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	10.12
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	1.68
tblVehicleEF	OBUS	65.88	1,542.13
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	13.85
tblVehicleEF	OBUS	0.31	9.95
tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.99
tblVehicleEF	OBUS	1.3700e-004	0.05
tblVehicleEF	OBUS	0.13	0.13

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	1.4509e-004
tblVehicleEF	OBUS	1.3100e-004	0.04
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	1.3340e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.98
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.41	0.08
tblVehicleEF	OBUS	6.4100e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	1.3709e-004
tblVehicleEF	OBUS	2.3980e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.24
tblVehicleEF	OBUS	9.5900e-004	0.02
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.45	0.09
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3513e-003

tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.64	28.74
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	2.56
tblVehicleEF	SBUS	1,270.71	3,328.19
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.78
tblVehicleEF	SBUS	12.46	30.54
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4628e-004
tblVehicleEF	SBUS	3.0740e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.3130e-003	7.4838e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.4937e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.48	28.38
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	1.85
tblVehicleEF	SBUS	1,335.64	3,405.36
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	13.61
tblVehicleEF	SBUS	12.86	31.23
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.76
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004

tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.35
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.23	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	1.3464e-004
tblVehicleEF	SBUS	5.9210e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.96	4.83
tblVehicleEF	SBUS	2.9370e-003	0.01
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.22
tblVehicleEF	SBUS	0.25	0.10
tblVehicleEF	SBUS	0.86	0.72
tblVehicleEF	SBUS	0.01	9.3427e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.85	29.24
tblVehicleEF	SBUS	0.71	0.85

tblVehicleEF	SBUS	5.54	2.67
tblVehicleEF	SBUS	1,181.05	3,221.61
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	14.98
tblVehicleEF	SBUS	11.91	29.59
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.77
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	1.2818e-004
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7630e-003	2.7032e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	1.1786e-004
tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.36
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.29	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	1.4820e-004

tblVehicleEF	SBUS	3.2090e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.83
tblVehicleEF	SBUS	1.2980e-003	7.7226e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.28
tblVehicleEF	SBUS	0.32	0.12
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.2991e-003
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.84
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.67
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	0.66	0.07

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6230e-003	1.0563e-004
tblVehicleEF	UBUS	8.4220e-003	3.8763e-003
tblVehicleEF	UBUS	0.12	7.2060e-003
tblVehicleEF	UBUS	4.0730e-003	2.2705e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	8.4408e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.71
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.47
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	0.02	7.1139e-003

tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.5760e-003	1.0359e-004
tblVehicleEF	UBUS	0.02	7.1139e-003
tblVehicleEF	UBUS	0.15	8.7364e-003
tblVehicleEF	UBUS	9.6640e-003	4.6900e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.03
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	9.3769e-003
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.85
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	10.69
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6531e-003
tblVehicleEF	UBUS	1.3790e-003	1.2721e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003

tblVehicleEF	UBUS	0.07	2.5266e-003
tblVehicleEF	UBUS	1.2680e-003	1.1697e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	0.01	3.0273e-003
tblVehicleEF	UBUS	1.6140e-003	1.0583e-004
tblVehicleEF	UBUS	9.6690e-003	3.9997e-003
tblVehicleEF	UBUS	0.15	8.2159e-003
tblVehicleEF	UBUS	4.2700e-003	2.3059e-003
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.28	0.04

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.0700e-003	9.6500e-003	8.4900e-003	1.0000e-005	2.0000e-005	5.6000e-004	5.8000e-004	1.0000e-005	5.3000e-004	5.3000e-004	0.0000	1.1849	1.1849	2.8000e-004	0.0000	1.1920
Maximum	**1.0700e-003**	**9.6500e-003**	**8.4900e-003**	**1.0000e-005**	**2.0000e-005**	**5.6000e-004**	**5.8000e-004**	**1.0000e-005**	**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1849**	**1.1849**	**2.8000e-004**	**0.0000**	**1.1920**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.0700e-003	9.6500e-003	8.4900e-003	1.0000e-005	2.0000e-005	5.6000e-004	5.8000e-004	1.0000e-005	5.3000e-004	5.3000e-004	0.0000	1.1849	1.1849	2.8000e-004	0.0000	1.1920
Maximum	**1.0700e-003**	**9.6500e-003**	**8.4900e-003**	**1.0000e-005**	**2.0000e-005**	**5.6000e-004**	**5.8000e-004**	**1.0000e-005**	**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1849**	**1.1849**	**2.8000e-004**	**0.0000**	**1.1920**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-31-2020**	**6-29-2020**	0.0077	0.0077
		Highest	0.0077	0.0077

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	0.0853	3.0300e-003	0.1335	1.3000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003	0.8498	1.7677	2.6175	2.6600e-003	6.0000e-005	2.7013
Energy	1.3200e-003	0.0113	4.8000e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	29.2070	29.2070	1.1700e-003	4.3000e-004	29.3641
Mobile	0.0623	0.2492	0.4856	1.3400e-003	0.0981	2.0500e-003	0.1002	0.0263	2.0400e-003	0.0283	0.0000	127.4946	127.4946	8.1800e-003	0.0000	127.6991
Waste						0.0000	0.0000		0.0000	0.0000	1.9142	0.0000	1.9142	0.1131	0.0000	4.7424
Water						0.0000	0.0000		0.0000	0.0000	0.1654	2.4167	2.5820	0.0171	4.3000e-004	3.1381
Total	**0.1489**	**0.2635**	**0.6239**	**1.5400e-003**	**0.0981**	**0.0111**	**0.1092**	**0.0263**	**0.0110**	**0.0373**	**2.9293**	**160.8859**	**163.8152**	**0.1423**	**9.2000e-004**	**167.6448**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0853	3.0300e-003	0.1335	1.3000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003	0.8498	1.7677	2.6175	2.6600e-003	6.0000e-005	2.7013
Energy	1.3200e-003	0.0113	4.8000e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	29.2070	29.2070	1.1700e-003	4.3000e-004	29.3641
Mobile	0.0623	0.2492	0.4856	1.3400e-003	0.0981	2.0500e-003	0.1002	0.0263	2.0400e-003	0.0283	0.0000	127.4946	127.4946	8.1800e-003	0.0000	127.6991
Waste						0.0000	0.0000		0.0000	0.0000	1.9142	0.0000	1.9142	0.1131	0.0000	4.7424
Water						0.0000	0.0000		0.0000	0.0000	0.1654	2.4167	2.5820	0.0171	4.3000e-004	3.1381
Total	**0.1489**	**0.2635**	**0.6239**	**1.5400e-003**	**0.0981**	**0.0111**	**0.1092**	**0.0263**	**0.0110**	**0.0373**	**2.9293**	**160.8859**	**163.8152**	**0.1423**	**9.2000e-004**	**167.6448**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/15/2020	5/15/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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
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

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
Building Construction	9	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0600e-003	9.5900e-003	8.4200e-003	1.0000e-005		5.6000e-004	5.6000e-004		5.3000e-004	5.3000e-004	0.0000	1.1581	1.1581	2.8000e-004	0.0000	1.1651
Total	**1.0600e-003**	**9.5900e-003**	**8.4200e-003**	**1.0000e-005**		**5.6000e-004**	**5.6000e-004**		**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1581**	**1.1581**	**2.8000e-004**	**0.0000**	**1.1651**

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	5.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0000	0.0000	0.0128
Worker	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0141	0.0141	0.0000	0.0000	0.0141
Total	**1.0000e-005**	**6.0000e-005**	**7.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0269**	**0.0269**	**0.0000**	**0.0000**	**0.0269**

3.2 Building Construction - 2020

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	1.0600e-003	9.5900e-003	8.4200e-003	1.0000e-005		5.6000e-004	5.6000e-004		5.3000e-004	5.3000e-004	0.0000	1.1581	1.1581	2.8000e-004	0.0000	1.1651
Total	**1.0600e-003**	**9.5900e-003**	**8.4200e-003**	**1.0000e-005**		**5.6000e-004**	**5.6000e-004**		**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.1581**	**1.1581**	**2.8000e-004**	**0.0000**	**1.1651**

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	5.0000e-005	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0000	0.0000	0.0128
Worker	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0141	0.0141	0.0000	0.0000	0.0141
Total	**1.0000e-005**	**6.0000e-005**	**7.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0269**	**0.0269**	**0.0000**	**0.0000**	**0.0269**

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	0.0623	0.2492	0.4856	1.3400e-003	0.0981	2.0500e-003	0.1002	0.0263	2.0400e-003	0.0283	0.0000	127.4946	127.4946	8.1800e-003	0.0000	127.6991
Unmitigated	0.0623	0.2492	0.4856	1.3400e-003	0.0981	2.0500e-003	0.1002	0.0263	2.0400e-003	0.0283	0.0000	127.4946	127.4946	8.1800e-003	0.0000	127.6991

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	76.16	79.28	68.96	258,259	258,259
Total	76.16	79.28	68.96	258,259	258,259

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

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	16.1451	16.1451	9.2000e-004	1.9000e-004	16.2246
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16.1451	16.1451	9.2000e-004	1.9000e-004	16.2246
NaturalGas Mitigated	1.3200e-003	0.0113	4.8000e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0618	13.0618	2.5000e-004	2.4000e-004	13.1394
NaturalGas Unmitigated	1.3200e-003	0.0113	4.8000e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0618	13.0618	2.5000e-004	2.4000e-004	13.1394

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	244769	1.3200e-003	0.0113	4.8000e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0618	13.0618	2.5000e-004	2.4000e-004	13.1394
Total		**1.3200e-003**	**0.0113**	**4.8000e-003**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**13.0618**	**13.0618**	**2.5000e-004**	**2.4000e-004**	**13.1394**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	244769	1.3200e-003	0.0113	4.8000e-003	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0618	13.0618	2.5000e-004	2.4000e-004	13.1394
Total		**1.3200e-003**	**0.0113**	**4.8000e-003**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**13.0618**	**13.0618**	**2.5000e-004**	**2.4000e-004**	**13.1394**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	69731.8	16.1451	9.2000e-004	1.9000e-004	16.2246
Total		**16.1451**	**9.2000e-004**	**1.9000e-004**	**16.2246**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	69731.8	16.1451	9.2000e-004	1.9000e-004	16.2246
Total		**16.1451**	**9.2000e-004**	**1.9000e-004**	**16.2246**

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	0.0853	3.0300e-003	0.1335	1.3000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003	0.8498	1.7677	2.6175	2.6600e-003	6.0000e-005	2.7013
Unmitigated	0.0853	3.0300e-003	0.1335	1.3000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003	0.8498	1.7677	2.6175	2.6600e-003	6.0000e-005	2.7013

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	4.5100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0520					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0262	2.0700e-003	0.0509	1.3000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.8498	1.6329	2.4827	2.5300e-003	6.0000e-005	2.5632
Landscaping	2.5100e-003	9.5000e-004	0.0827	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1348	0.1348	1.3000e-004	0.0000	0.1380
Total	**0.0853**	**3.0200e-003**	**0.1335**	**1.3000e-004**		**8.1000e-003**	**8.1000e-003**		**8.1000e-003**	**8.1000e-003**	**0.8498**	**1.7677**	**2.6175**	**2.6600e-003**	**6.0000e-005**	**2.7013**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.5100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0520					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0262	2.0700e-003	0.0509	1.3000e-004		7.6400e-003	7.6400e-003		7.6400e-003	7.6400e-003	0.8498	1.6329	2.4827	2.5300e-003	6.0000e-005	2.5632
Landscaping	2.5100e-003	9.5000e-004	0.0827	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	0.1348	0.1348	1.3000e-004	0.0000	0.1380
Total	**0.0853**	**3.0200e-003**	**0.1335**	**1.3000e-004**		**8.1000e-003**	**8.1000e-003**		**8.1000e-003**	**8.1000e-003**	**0.8498**	**1.7677**	**2.6175**	**2.6600e-003**	**6.0000e-005**	**2.7013**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.5820	0.0171	4.3000e-004	3.1381
Unmitigated	2.5820	0.0171	4.3000e-004	3.1381

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.521232 / 0.328603	2.5820	0.0171	4.3000e-004	3.1381
Total		**2.5820**	**0.0171**	**4.3000e-004**	**3.1381**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.521232 / 0.328603	2.5820	0.0171	4.3000e-004	3.1381
Total		**2.5820**	**0.0171**	**4.3000e-004**	**3.1381**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9142	0.1131	0.0000	4.7424
Unmitigated	1.9142	0.1131	0.0000	4.7424

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	9.43	1.9142	0.1131	0.0000	4.7424
Total		**1.9142**	**0.1131**	**0.0000**	**4.7424**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	9.43	1.9142	0.1131	0.0000	4.7424
Total		**1.9142**	**0.1131**	**0.0000**	**4.7424**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Palmetto - Replacement Site

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	79.00	Dwelling Unit	3.58	79,000.00	226

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra Casa Grande - Palmetto - Replacement Site - San Bernardino-South Coast County, Summer

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - based on Traffic Memo, lot size is 3.58 acres

Construction Phase - Building Construction, Paving, and Architectural Coating activities are expected to overlap.

Demolition - default squarefootage determined for existing site based on 8 single family units

Vehicle Trips - Based on Traffic Memo, 7.32, CalEEMod trip % error

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Energy Use -

Construction Off-road Equipment Mitigation - RULE 402

Area Mitigation -

Energy Mitigation - CEC - homes built under 2019 standards will use about 53% less energy than those under the 2016 standard

Water Mitigation - Low flow fixtures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	174.00
tblConstructionPhase	NumDays	20.00	174.00
tblLandUse	LotAcreage	4.94	3.58
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.21	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	60.12

tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	1.3410e-003
tblVehicleEF	HHD	6,933.41	11,330.49
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	26.50	61.17
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.11
tblVehicleEF	HHD	9.7780e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.84	4.41
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.97	5.05
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.14	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	58.80
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	1.2660e-003
tblVehicleEF	HHD	7,345.18	11,296.84
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	27.35	59.38
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.11
tblVehicleEF	HHD	8.2750e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	7.9170e-003	0.03
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	7.0000e-005
tblVehicleEF	HHD	3.5970e-003	6.4000e-005
tblVehicleEF	HHD	0.79	4.61
tblVehicleEF	HHD	1.1700e-004	4.7000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	2.8700e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
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tblVehicleEF	HHD	1.1700e-004	4.7000e-005
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tblVehicleEF	HHD	2.2100e-004	2.8700e-004
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tblVehicleEF	HHD	1.31	0.22
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	61.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.79	1.3300e-003
tblVehicleEF	HHD	6,364.76	11,376.96

tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	2.46	3.37
tblVehicleEF	HHD	20.20	2.11
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	3.4760e-003	6.6000e-005
tblVehicleEF	HHD	0.91	4.13
tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.06	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005

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tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
tblVehicleEF	HHD	0.06	0.00
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tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	263.44
tblVehicleEF	LDA	57.15	53.83
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tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.04	0.28
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3300e-004
tblVehicleEF	LDA	0.04	0.28
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
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tblVehicleEF	LDA	0.99	1.78
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tblVehicleEF	LDA	57.15	53.19
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tblVehicleEF	LDA	0.07	0.17
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tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.09	0.53
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.53
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.42

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.11
tblVehicleEF	LDA	245.70	259.38
tblVehicleEF	LDA	57.15	53.84
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3300e-004
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	0.01

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.38
tblVehicleEF	LDT1	313.68	312.60
tblVehicleEF	LDT1	70.93	65.25
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.61
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86

tblVehicleEF	LDT1	0.28	0.46
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.80
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	335.30
tblVehicleEF	LDT1	70.93	64.44
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
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tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	1.16
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40

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tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
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tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
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tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.85
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.58
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003

tblVehicleEF	LDT2	8.1990e-003	0.07
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tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	333.43
tblVehicleEF	LDT2	79.39	69.90
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06

tblVehicleEF	LDT2	0.97	1.19
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	355.41
tblVehicleEF	LDT2	79.39	69.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8300e-004
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96

tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	329.34
tblVehicleEF	LDT2	79.39	69.92
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.43
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tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42

tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	0.93
tblVehicleEF	LHD1	9.23	128.40
tblVehicleEF	LHD1	609.20	652.45
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tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.29
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.27	0.07
tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.0000e-004
tblVehicleEF	LHD1	3.7070e-003	0.04

tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.01
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tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
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tblVehicleEF	LHD1	7.3080e-003	0.07

tblVehicleEF	LHD1	0.13	0.09
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tblVehicleEF	LHD1	7.3080e-003	0.07
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tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
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tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
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tblVehicleEF	LHD1	0.38	0.54
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tblVehicleEF	LHD1	3.5200e-004	1.0000e-004
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tblVehicleEF	LHD1	0.02	0.40
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tblVehicleEF	LHD1	0.10	0.08
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tblVehicleEF	LHD2	3.5950e-003	0.05

tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	8.8770e-003
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tblVehicleEF	LHD2	14.27	191.37
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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
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tblVehicleEF	LHD2	0.09	0.27
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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

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tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
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tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
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tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
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tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	6.8700e-004	0.01
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tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
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tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
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tblVehicleEF	MCY	6.9000e-004	6.0100e-004
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tblVehicleEF	MCY	2.74	2.87

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tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.00	2.28
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tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
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tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
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tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.17	2.28
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tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	5.54
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tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.67	2.81

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tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.00	2.31
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
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tblVehicleEF	MCY	1.7420e-003	1.8380e-003
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tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
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tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
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tblVehicleEF	MDV	1.1370e-003	8.5700e-004
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tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50

tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
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tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.03
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.04	0.03
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tblVehicleEF	MDV	0.21	0.37
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tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41

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tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.25
tblVehicleEF	MDV	473.93	408.15
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tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
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tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
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tblVehicleEF	MDV	1.1360e-003	8.5800e-004
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	0.01

tblVehicleEF	MH	0.03	0.02
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tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
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tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.8700e-004
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.40	0.11

tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.19	1.34
tblVehicleEF	MH	5.84	1.97
tblVehicleEF	MH	1,045.05	1,487.74
tblVehicleEF	MH	59.49	18.64
tblVehicleEF	MH	1.41	1.37
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.34	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9700e-004	1.8400e-004
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.49

tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.08	1.31
tblVehicleEF	MH	6.36	2.12
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.90
tblVehicleEF	MH	1.51	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.8700e-004
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.15	0.09

tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9450e-003
tblVehicleEF	MHD	0.32	3.17
tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	156.91	758.35
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tblVehicleEF	MHD	11.88	1.62
tblVehicleEF	MHD	3.8600e-004	0.01
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tblVehicleEF	MHD	3.6900e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
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tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02

tblVehicleEF	MHD	1.5080e-003	7.1830e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	2.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	2.8280e-003
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tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.32
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tblVehicleEF	MHD	1,101.52	974.58
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tblVehicleEF	MHD	11.85	1.62
tblVehicleEF	MHD	3.2500e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03

tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.02	0.15
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.30	0.01
tblVehicleEF	MHD	1.5950e-003	7.2500e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	2.8000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.33	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9240e-003
tblVehicleEF	MHD	0.45	3.76
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.34
tblVehicleEF	MHD	144.06	748.63
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	2.89

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tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.62
tblVehicleEF	MHD	4.7000e-004	0.02
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	4.4900e-004	0.02
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.03	0.16
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tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.3860e-003	7.0900e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	2.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.04	0.21
tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	OBUS	0.01	0.12

tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	9.35
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	1.60
tblVehicleEF	OBUS	70.35	1,526.75
tblVehicleEF	OBUS	1,121.50	1,406.90
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tblVehicleEF	OBUS	0.28	7.45
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tblVehicleEF	OBUS	1.93	1.14
tblVehicleEF	OBUS	6.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	6.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.85
tblVehicleEF	OBUS	9.3100e-004	0.01
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tblVehicleEF	OBUS	6.8400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	1.3200e-004

tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	9.12
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tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	1.13
tblVehicleEF	OBUS	5.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	5.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	2.1330e-003	0.03
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tblVehicleEF	OBUS	0.05	0.19
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.3000e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1330e-003	0.03
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tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.40	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
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tblVehicleEF	OBUS	0.28	9.66
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tblVehicleEF	OBUS	0.27	7.69
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	1.14

tblVehicleEF	OBUS	7.7000e-005	0.02
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	7.4000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
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tblVehicleEF	OBUS	6.4200e-004	0.01
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tblVehicleEF	OBUS	8.1600e-004	1.3200e-004
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tblVehicleEF	OBUS	9.4100e-004	0.02
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
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tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
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tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	1.4600e-004
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tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.20
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tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	2.9580e-003	0.01
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tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.0500e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
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tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	8.3240e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.68
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.41
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.0300e-004
tblVehicleEF	UBUS	0.02	8.0540e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.03
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2430e-003
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.81
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.63
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.03

tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.0500e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.40
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32

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					
2021	8.0032	40.5536	37.9004	0.0682	18.2675	2.0458	20.3132	9.9840	1.8821	11.8661	0.0000	6,608.9002	6,608.9002	1.4056	0.0000	6,644.0413
2022	7.6016	29.5628	37.2182	0.0678	1.3288	1.4681	2.7968	0.3541	1.3741	1.7282	0.0000	6,563.3657	6,563.3657	1.3964	0.0000	6,598.2755
Maximum	**8.0032**	**40.5536**	**37.9004**	**0.0682**	**18.2675**	**2.0458**	**20.3132**	**9.9840**	**1.8821**	**11.8661**	**0.0000**	**6,608.9002**	**6,608.9002**	**1.4056**	**0.0000**	**6,644.0413**

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					
2021	8.0032	40.5536	37.9004	0.0682	6.8843	2.0458	8.9300	3.7301	1.8821	5.6122	0.0000	6,608.9002	6,608.9002	1.4056	0.0000	6,644.0412
2022	7.6016	29.5628	37.2182	0.0678	1.2602	1.4681	2.7282	0.3373	1.3741	1.7114	0.0000	6,563.3657	6,563.3657	1.3964	0.0000	6,598.2755
Maximum	**8.0032**	**40.5536**	**37.9004**	**0.0682**	**6.8843**	**2.0458**	**8.9300**	**3.7301**	**1.8821**	**5.6122**	**0.0000**	**6,608.9002**	**6,608.9002**	**1.4056**	**0.0000**	**6,644.0412**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**58.44**	**0.00**	**49.55**	**60.66**	**0.00**	**46.13**	**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	31.3013	2.3991	63.4824	0.1457		8.5915	8.5915		8.5915	8.5915	1,049.0949	2,027.7356	3,076.8305	3.1399	0.0712	3,176.5478
Energy	0.0364	0.3107	0.1322	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5787	396.5787	7.6000e-003	7.2700e-003	398.9354
Mobile	3.1078	9.3481	20.7426	0.0577	4.2116	0.0555	4.2671	1.1256	0.0560	1.1815		6,042.5690	6,042.5690	0.3576		6,051.5086
Total	**34.4455**	**12.0578**	**84.3572**	**0.2054**	**4.2116**	**8.6721**	**12.8837**	**1.1256**	**8.6726**	**9.7982**	**1,049.0949**	**8,466.8834**	**9,515.9782**	**3.5051**	**0.0785**	**9,626.9918**

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	1.9533	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0113	0.0000	12.0187
Energy	0.0246	0.2098	0.0893	1.3400e-003		0.0170	0.0170		0.0170	0.0170		267.7703	267.7703	5.1300e-003	4.9100e-003	269.3615
Mobile	3.1078	9.3481	20.7426	0.0577	4.2116	0.0555	4.2671	1.1256	0.0560	1.1815		6,042.5690	6,042.5690	0.3576		6,051.5086
Total	**5.0856**	**9.6331**	**27.3565**	**0.0594**	**4.2116**	**0.1085**	**4.3201**	**1.1256**	**0.1090**	**1.2345**	**0.0000**	**6,322.0749**	**6,322.0749**	**0.3740**	**4.9100e-003**	**6,332.8888**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**85.24**	**20.11**	**67.57**	**71.07**	**0.00**	**98.75**	**66.47**	**0.00**	**98.74**	**87.40**	**100.00**	**25.33**	**33.56**	**89.33**	**93.74**	**34.22**

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	1/4/2021	1/29/2021	5	20	
2	Site Preparation	Site Preparation	1/30/2021	2/12/2021	5	10	
3	Grading	Grading	2/13/2021	3/12/2021	5	20	
4	Building Construction	Building Construction	3/13/2021	1/28/2022	5	230	
5	Paving	Paving	6/1/2021	1/28/2022	5	174	
6	Architectural Coating	Architectural Coating	6/1/2021	1/28/2022	5	174	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 226,800; Residential Outdoor: 75,600; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sierra Casa Grande - Palmetto - Replacement Site - San Bernardino-South Coast County, Summer

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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	115.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	81.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7087	0.0000	0.7087	0.1073	0.0000	0.1073			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.7087**	**1.5513**	**2.2601**	**0.1073**	**1.4411**	**1.5484**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0342	1.3115	0.2031	4.4700e-003	0.1006	3.7100e-003	0.1043	0.0276	3.5500e-003	0.0311		474.4841	474.4841	0.0254		475.1199
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.1104**	**1.3586**	**0.8241**	**6.1200e-003**	**0.2683**	**4.7800e-003**	**0.2731**	**0.0721**	**4.5400e-003**	**0.0766**		**638.5962**	**638.5962**	**0.0301**		**639.3488**

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					0.2626	0.0000	0.2626	0.0398	0.0000	0.0398			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.2626**	**1.5513**	**1.8139**	**0.0398**	**1.4411**	**1.4809**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.0342	1.3115	0.2031	4.4700e-003	0.0961	3.7100e-003	0.0998	0.0265	3.5500e-003	0.0300		474.4841	474.4841	0.0254		475.1199
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.1104**	**1.3586**	**0.8241**	**6.1200e-003**	**0.2550**	**4.7800e-003**	**0.2598**	**0.0688**	**4.5400e-003**	**0.0733**		**638.5962**	**638.5962**	**0.0301**		**639.3488**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**6.6936**	**2.0445**	**8.7380**	**3.6793**	**1.8809**	**5.5602**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0915	0.0565	0.7452	1.9800e-003	0.1907	1.2900e-003	0.1920	0.0508	1.1900e-003	0.0520		196.9345	196.9345	5.6000e-003		197.0746
Total	**0.0915**	**0.0565**	**0.7452**	**1.9800e-003**	**0.1907**	**1.2900e-003**	**0.1920**	**0.0508**	**1.1900e-003**	**0.0520**		**196.9345**	**196.9345**	**5.6000e-003**		**197.0746**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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					2.4276	0.0000	2.4276	1.2477	0.0000	1.2477			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**2.4276**	**1.1599**	**3.5876**	**1.2477**	**1.0671**	**2.3148**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0311	1.1573	0.2178	3.2400e-003	0.0769	1.9800e-003	0.0788	0.0221	1.9000e-003	0.0240		341.5072	341.5072	0.0216		342.0467
Worker	0.4116	0.2544	3.3533	8.9000e-003	0.9054	5.7900e-003	0.9112	0.2401	5.3300e-003	0.2455		886.2052	886.2052	0.0252		886.8358
Total	**0.4426**	**1.4116**	**3.5710**	**0.0121**	**0.9823**	**7.7700e-003**	**0.9900**	**0.2622**	**7.2300e-003**	**0.2695**		**1,227.7124**	**1,227.7124**	**0.0468**		**1,228.8825**

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0311	1.1573	0.2178	3.2400e-003	0.0736	1.9800e-003	0.0756	0.0213	1.9000e-003	0.0232		341.5072	341.5072	0.0216		342.0467
Worker	0.4116	0.2544	3.3533	8.9000e-003	0.8582	5.7900e-003	0.8640	0.2285	5.3300e-003	0.2339		886.2052	886.2052	0.0252		886.8358
Total	**0.4426**	**1.4116**	**3.5710**	**0.0121**	**0.9317**	**7.7700e-003**	**0.9395**	**0.2498**	**7.2300e-003**	**0.2571**		**1,227.7124**	**1,227.7124**	**0.0468**		**1,228.8825**

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
Total	**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**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0289	1.0975	0.2013	3.2100e-003	0.0769	1.6700e-003	0.0785	0.0221	1.5900e-003	0.0237		338.7691	338.7691	0.0208		339.2900
Worker	0.3843	0.2287	3.0805	8.5800e-003	0.9054	5.6200e-003	0.9110	0.2401	5.1800e-003	0.2453		854.2280	854.2280	0.0226		854.7936
Total	**0.4133**	**1.3263**	**3.2818**	**0.0118**	**0.9823**	**7.2900e-003**	**0.9895**	**0.2622**	**6.7700e-003**	**0.2690**		**1,192.9971**	**1,192.9971**	**0.0435**		**1,194.0835**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0289	1.0975	0.2013	3.2100e-003	0.0736	1.6700e-003	0.0752	0.0213	1.5900e-003	0.0229		338.7691	338.7691	0.0208		339.2900
Worker	0.3843	0.2287	3.0805	8.5800e-003	0.8582	5.6200e-003	0.8638	0.2285	5.1800e-003	0.2337		854.2280	854.2280	0.0226		854.7936
Total	**0.4133**	**1.3263**	**3.2818**	**0.0118**	**0.9317**	**7.2900e-003**	**0.9390**	**0.2498**	**6.7700e-003**	**0.2566**		**1,192.9971**	**1,192.9971**	**0.0435**		**1,194.0835**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Paving - 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0712	0.0424	0.5705	1.5900e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		158.1904	158.1904	4.1900e-003		158.2951
Total	**0.0712**	**0.0424**	**0.5705**	**1.5900e-003**	**0.1677**	**1.0400e-003**	**0.1687**	**0.0445**	**9.6000e-004**	**0.0454**		**158.1904**	**158.1904**	**4.1900e-003**		**158.2951**

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0712	0.0424	0.5705	1.5900e-003	0.1589	1.0400e-003	0.1600	0.0423	9.6000e-004	0.0433		158.1904	158.1904	4.1900e-003		158.2951
Total	**0.0712**	**0.0424**	**0.5705**	**1.5900e-003**	**0.1589**	**1.0400e-003**	**0.1600**	**0.0423**	**9.6000e-004**	**0.0433**		**158.1904**	**158.1904**	**4.1900e-003**		**158.2951**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**4.2466**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0813	0.0503	0.6624	1.7600e-003	0.1788	1.1400e-003	0.1800	0.0474	1.0500e-003	0.0485		175.0529	175.0529	4.9800e-003		175.1774
Total	**0.0813**	**0.0503**	**0.6624**	**1.7600e-003**	**0.1788**	**1.1400e-003**	**0.1800**	**0.0474**	**1.0500e-003**	**0.0485**		**175.0529**	**175.0529**	**4.9800e-003**		**175.1774**

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	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**4.2466**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0813	0.0503	0.6624	1.7600e-003	0.1695	1.1400e-003	0.1707	0.0451	1.0500e-003	0.0462		175.0529	175.0529	4.9800e-003		175.1774
Total	**0.0813**	**0.0503**	**0.6624**	**1.7600e-003**	**0.1695**	**1.1400e-003**	**0.1707**	**0.0451**	**1.0500e-003**	**0.0462**		**175.0529**	**175.0529**	**4.9800e-003**		**175.1774**

3.7 Architectural Coating - 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					
Archit. Coating	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**4.2322**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0452	0.6085	1.6900e-003	0.1788	1.1100e-003	0.1800	0.0474	1.0200e-003	0.0485		168.7364	168.7364	4.4700e-003		168.8481
Total	**0.0759**	**0.0452**	**0.6085**	**1.6900e-003**	**0.1788**	**1.1100e-003**	**0.1800**	**0.0474**	**1.0200e-003**	**0.0485**		**168.7364**	**168.7364**	**4.4700e-003**		**168.8481**

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	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**4.2322**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0452	0.6085	1.6900e-003	0.1695	1.1100e-003	0.1706	0.0451	1.0200e-003	0.0462		168.7364	168.7364	4.4700e-003		168.8481
Total	**0.0759**	**0.0452**	**0.6085**	**1.6900e-003**	**0.1695**	**1.1100e-003**	**0.1706**	**0.0451**	**1.0200e-003**	**0.0462**		**168.7364**	**168.7364**	**4.4700e-003**		**168.8481**

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	3.1078	9.3481	20.7426	0.0577	4.2116	0.0555	4.2671	1.1256	0.0560	1.1815		6,042.5690	6,042.5690	0.3576		6,051.5086
Unmitigated	3.1078	9.3481	20.7426	0.0577	4.2116	0.0555	4.2671	1.1256	0.0560	1.1815		6,042.5690	6,042.5690	0.3576		6,051.5086

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	578.28	578.28	578.28	1,979,359	1,979,359
Total	578.28	578.28	578.28	1,979,359	1,979,359

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.40	19.00	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0246	0.2098	0.0893	1.3400e-003		0.0170	0.0170		0.0170	0.0170		267.7703	267.7703	5.1300e-003	4.9100e-003	269.3615
NaturalGas Unmitigated	0.0364	0.3107	0.1322	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5787	396.5787	7.6000e-003	7.2700e-003	398.9354

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					
Apartments Low Rise	3370.92	0.0364	0.3107	0.1322	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5787	396.5787	7.6000e-003	7.2700e-003	398.9354
Total		**0.0364**	**0.3107**	**0.1322**	**1.9800e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**		**396.5787**	**396.5787**	**7.6000e-003**	**7.2700e-003**	**398.9354**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.27605	0.0246	0.2098	0.0893	1.3400e-003		0.0170	0.0170		0.0170	0.0170		267.7703	267.7703	5.1300e-003	4.9100e-003	269.3615
Total		**0.0246**	**0.2098**	**0.0893**	**1.3400e-003**		**0.0170**	**0.0170**		**0.0170**	**0.0170**		**267.7703**	**267.7703**	**5.1300e-003**	**4.9100e-003**	**269.3615**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	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	1.9533	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0113	0.0000	12.0187
Unmitigated	31.3013	2.3991	63.4824	0.1457		8.5915	8.5915		8.5915	8.5915	1,049.0949	2,027.7356	3,076.8305	3.1399	0.0712	3,176.5478

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	0.1920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	29.3480	2.3238	56.9578	0.1453		8.5555	8.5555		8.5555	8.5555	1,049.0949	2,016.0000	3,065.0949	3.1286	0.0712	3,164.5291
Landscaping	0.1971	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0113		12.0187
Total	**31.3013**	**2.3991**	**63.4824**	**0.1456**		**8.5915**	**8.5915**		**8.5915**	**8.5915**	**1,049.0949**	**2,027.7356**	**3,076.8305**	**3.1399**	**0.0712**	**3,176.5478**

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	0.1920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1971	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0113		12.0187
Total	**1.9533**	**0.0753**	**6.5246**	**3.4000e-004**		**0.0361**	**0.0361**		**0.0361**	**0.0361**	**0.0000**	**11.7356**	**11.7356**	**0.0113**	**0.0000**	**12.0187**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Palmetto - Replacement Site

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	79.00	Dwelling Unit	3.58	79,000.00	226

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra Casa Grande - Palmetto - Replacement Site - San Bernardino-South Coast County, Winter

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - based on Traffic Memo, lot size is 3.58 acres

Construction Phase - Building Construction, Paving, and Architectural Coating activities are expected to overlap.

Demolition - default squarefootage determined for existing site based on 8 single family units

Vehicle Trips - Based on Traffic Memo, 7.32, CalEEMod trip % error

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Energy Use -

Construction Off-road Equipment Mitigation - RULE 402

Area Mitigation -

Energy Mitigation - CEC - homes built under 2019 standards will use about 53% less energy than those under the 2016 standard

Water Mitigation - Low flow fixtures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	174.00
tblConstructionPhase	NumDays	20.00	174.00
tblLandUse	LotAcreage	4.94	3.58
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.21	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	60.12

tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	1.3410e-003
tblVehicleEF	HHD	6,933.41	11,330.49
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	26.50	61.17
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.11
tblVehicleEF	HHD	9.7780e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.84	4.41
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.97	5.05
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.14	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	58.80
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	1.2660e-003
tblVehicleEF	HHD	7,345.18	11,296.84
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	27.35	59.38
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.11
tblVehicleEF	HHD	8.2750e-003	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	7.9170e-003	0.03
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	7.0000e-005
tblVehicleEF	HHD	3.5970e-003	6.4000e-005
tblVehicleEF	HHD	0.79	4.61
tblVehicleEF	HHD	1.1700e-004	4.7000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	2.8700e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	7.0000e-005
tblVehicleEF	HHD	3.5970e-003	6.4000e-005
tblVehicleEF	HHD	0.91	5.28
tblVehicleEF	HHD	1.1700e-004	4.7000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	2.8700e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.31	0.22
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	61.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.79	1.3300e-003
tblVehicleEF	HHD	6,364.76	11,376.96

tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	25.32	63.63
tblVehicleEF	HHD	2.46	3.37
tblVehicleEF	HHD	20.20	2.11
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005
tblVehicleEF	HHD	0.91	4.13
tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.06	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005

tblVehicleEF	HHD	1.05	4.73
tblVehicleEF	HHD	5.2000e-005	2.2000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.3300e-004	2.9300e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	263.44
tblVehicleEF	LDA	57.15	53.83
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.04	0.28
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3300e-004
tblVehicleEF	LDA	0.04	0.28
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.23
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
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tblVehicleEF	LDA	57.15	53.19
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.09	0.53
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.42
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.53
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.42

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
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tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5180e-003
tblVehicleEF	LDA	2.2790e-003	1.8560e-003
tblVehicleEF	LDA	1.5460e-003	1.3980e-003
tblVehicleEF	LDA	2.0960e-003	1.7060e-003
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3300e-004
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.01	0.01

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.61
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86

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tblVehicleEF	LDT1	0.02	8.4640e-003
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tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	1.16
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40

tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.46
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	308.38
tblVehicleEF	LDT1	70.93	65.27
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.19	0.85
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
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tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.58
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003

tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
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tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
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tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
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tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06

tblVehicleEF	LDT2	0.97	1.19
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tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
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tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
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tblVehicleEF	LDT2	8.1700e-004	6.8300e-004
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tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
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tblVehicleEF	LDT2	0.75	0.96

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tblVehicleEF	LDT2	0.14	0.30
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tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.43
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
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tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.11	0.34
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tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
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tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
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tblVehicleEF	LHD2	3.5950e-003	0.05

tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
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tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
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tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003

tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	7.4000e-005
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tblVehicleEF	LHD2	0.12	0.05
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tblVehicleEF	LHD2	14.27	191.37
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tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	7.3000e-005
tblVehicleEF	LHD2	2.5220e-003	0.04
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	1.5220e-003	0.02
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	8.8340e-003
tblVehicleEF	LHD2	0.12	1.89
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.57
tblVehicleEF	LHD2	14.27	191.37
tblVehicleEF	LHD2	608.52	665.25

tblVehicleEF	LHD2	24.46	7.44
tblVehicleEF	LHD2	0.11	1.45
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.19
tblVehicleEF	LHD2	1.2830e-003	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3460e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	7.4000e-005
tblVehicleEF	LHD2	1.3460e-003	0.02
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.31
tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.00	2.28
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.67	2.81

tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.00	2.31
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.69	2.84

tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.13
tblVehicleEF	MDV	3.25	3.24
tblVehicleEF	MDV	483.94	412.47
tblVehicleEF	MDV	107.92	86.64
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5700e-004
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50

tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.71
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tblVehicleEF	MDV	107.92	85.59
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.03
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.37
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4700e-004
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41

tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.25
tblVehicleEF	MDV	473.93	408.15
tblVehicleEF	MDV	107.92	86.67
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5800e-004
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.07	1.31
tblVehicleEF	MH	6.43	2.11
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.89
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tblVehicleEF	MH	0.91	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
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tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.8700e-004
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tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.40	0.11

tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.19	1.34
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tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
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tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.34	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9700e-004	1.8400e-004
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.49

tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.08	1.31
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tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
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tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
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tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.8700e-004
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.15	0.09

tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9450e-003
tblVehicleEF	MHD	0.32	3.17
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.34
tblVehicleEF	MHD	156.91	758.35
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tblVehicleEF	MHD	11.88	1.62
tblVehicleEF	MHD	3.8600e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
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tblVehicleEF	MHD	7.0300e-004	3.2000e-005
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tblVehicleEF	MHD	0.04	6.7960e-003
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tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02

tblVehicleEF	MHD	1.5080e-003	7.1830e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	2.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	2.8280e-003
tblVehicleEF	MHD	0.24	2.75
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.32
tblVehicleEF	MHD	166.20	765.37
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	2.86
tblVehicleEF	MHD	0.62	5.74
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.62
tblVehicleEF	MHD	3.2500e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03

tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.02	0.15
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.30	0.01
tblVehicleEF	MHD	1.5950e-003	7.2500e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	2.8000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.33	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9240e-003
tblVehicleEF	MHD	0.45	3.76
tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	144.06	748.63
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	2.89

tblVehicleEF	MHD	0.57	5.74
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.62
tblVehicleEF	MHD	4.7000e-004	0.02
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	4.4900e-004	0.02
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.03	0.16
tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.3860e-003	7.0900e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	2.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.04	0.21
tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	OBUS	0.01	0.12

tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	9.35
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	1.60
tblVehicleEF	OBUS	70.35	1,526.75
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	13.37
tblVehicleEF	OBUS	0.28	7.45
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	1.14
tblVehicleEF	OBUS	6.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	6.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.85
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.8400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	1.3200e-004

tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	9.12
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	1.49
tblVehicleEF	OBUS	73.50	1,523.07
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	13.18
tblVehicleEF	OBUS	0.29	7.27
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	1.13
tblVehicleEF	OBUS	5.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	5.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.03	0.87
tblVehicleEF	OBUS	2.1330e-003	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.36	0.07
tblVehicleEF	OBUS	7.1400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.3000e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1330e-003	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.40	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	9.66
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	1.60
tblVehicleEF	OBUS	66.00	1,531.82
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	13.38
tblVehicleEF	OBUS	0.27	7.69
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	1.14

tblVehicleEF	OBUS	7.7000e-005	0.02
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	7.4000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.83
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.4200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	1.3200e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.07
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.71	29.13

tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	2.53
tblVehicleEF	SBUS	1,258.13	3,306.59
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.75
tblVehicleEF	SBUS	11.70	29.52
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9260e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.27	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	1.4600e-004
tblVehicleEF	SBUS	2.9260e-003	0.02

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.30	0.12
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.56	28.79
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	1.83
tblVehicleEF	SBUS	1,322.00	3,377.53
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	13.58
tblVehicleEF	SBUS	12.08	30.14
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.82
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	9.6490e-003	0.03
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	5.6170e-003	0.03

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.37
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.22	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	1.3400e-004
tblVehicleEF	SBUS	5.6170e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.24	0.10
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.91	29.60
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	2.65
tblVehicleEF	SBUS	1,169.92	3,208.62
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.94
tblVehicleEF	SBUS	11.19	28.66
tblVehicleEF	SBUS	4.69	5.12

tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	1.4800e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.98	4.87
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	UBUS	1.83	4.45

tblVehicleEF	UBUS	0.08	9.1680e-003
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.80
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.61
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.0500e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	2.50	4.54

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	8.3240e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.68
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.41
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.0300e-004
tblVehicleEF	UBUS	0.02	8.0540e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.03
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2430e-003
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.81
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.63
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.03

tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.0500e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.40
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32

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					
2021	8.0063	40.5566	37.1038	0.0668	18.2675	2.0458	20.3132	9.9840	1.8821	11.8661	0.0000	6,469.5424	6,469.5424	1.4037	0.0000	6,504.6350
2022	7.6059	29.5661	36.4818	0.0664	1.3288	1.4681	2.7969	0.3541	1.3741	1.7283	0.0000	6,428.6329	6,428.6329	1.3949	0.0000	6,463.5045
Maximum	**8.0063**	**40.5566**	**37.1038**	**0.0668**	**18.2675**	**2.0458**	**20.3132**	**9.9840**	**1.8821**	**11.8661**	**0.0000**	**6,469.5424**	**6,469.5424**	**1.4037**	**0.0000**	**6,504.6350**

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					
2021	8.0063	40.5566	37.1038	0.0668	6.8843	2.0458	8.9300	3.7301	1.8821	5.6122	0.0000	6,469.5424	6,469.5424	1.4037	0.0000	6,504.6350
2022	7.6059	29.5661	36.4818	0.0664	1.2602	1.4681	2.7283	0.3373	1.3741	1.7115	0.0000	6,428.6329	6,428.6329	1.3949	0.0000	6,463.5045
Maximum	**8.0063**	**40.5566**	**37.1038**	**0.0668**	**6.8843**	**2.0458**	**8.9300**	**3.7301**	**1.8821**	**5.6122**	**0.0000**	**6,469.5424**	**6,469.5424**	**1.4037**	**0.0000**	**6,504.6350**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**58.44**	**0.00**	**49.55**	**60.66**	**0.00**	**46.13**	**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	31.3013	2.3991	63.4824	0.1457		8.5915	8.5915		8.5915	8.5915	1,049.0949	2,027.7356	3,076.8305	3.1399	0.0712	3,176.5478
Energy	0.0364	0.3107	0.1322	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5787	396.5787	7.6000e-003	7.2700e-003	398.9354
Mobile	2.4468	9.8948	19.3233	0.0551	4.2116	0.0564	4.2680	1.1256	0.0564	1.1820		5,771.2819	5,771.2819	0.3604		5,780.2919
Total	**33.7844**	**12.6045**	**82.9379**	**0.2027**	**4.2116**	**8.6731**	**12.8847**	**1.1256**	**8.6731**	**9.7987**	**1,049.0949**	**8,195.5963**	**9,244.6911**	**3.5079**	**0.0785**	**9,355.7751**

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	1.9533	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0113	0.0000	12.0187
Energy	0.0246	0.2098	0.0893	1.3400e-003		0.0170	0.0170		0.0170	0.0170		267.7703	267.7703	5.1300e-003	4.9100e-003	269.3615
Mobile	2.4468	9.8948	19.3233	0.0551	4.2116	0.0564	4.2680	1.1256	0.0564	1.1820		5,771.2819	5,771.2819	0.3604		5,780.2919
Total	**4.4246**	**10.1798**	**25.9372**	**0.0567**	**4.2116**	**0.1095**	**4.3211**	**1.1256**	**0.1094**	**1.2350**	**0.0000**	**6,050.7878**	**6,050.7878**	**0.3769**	**4.9100e-003**	**6,061.6721**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**86.90**	**19.24**	**68.73**	**72.01**	**0.00**	**98.74**	**66.46**	**0.00**	**98.74**	**87.40**	**100.00**	**26.17**	**34.55**	**89.26**	**93.74**	**35.21**

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	1/4/2021	1/29/2021	5	20	
2	Site Preparation	Site Preparation	1/30/2021	2/12/2021	5	10	
3	Grading	Grading	2/13/2021	3/12/2021	5	20	
4	Building Construction	Building Construction	3/13/2021	1/28/2022	5	230	
5	Paving	Paving	6/1/2021	1/28/2022	5	174	
6	Architectural Coating	Architectural Coating	6/1/2021	1/28/2022	5	174	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 226,800; Residential Outdoor: 75,600; 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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	115.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	81.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7087	0.0000	0.7087	0.1073	0.0000	0.1073			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.7087**	**1.5513**	**2.2601**	**0.1073**	**1.4411**	**1.5484**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0357	1.3164	0.2320	4.3500e-003	0.1006	3.7600e-003	0.1044	0.0276	3.6000e-003	0.0312		462.0492	462.0492	0.0276		462.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.1121**	**1.3660**	**0.7413**	**5.8300e-003**	**0.2683**	**4.8300e-003**	**0.2731**	**0.0721**	**4.5900e-003**	**0.0766**		**609.2738**	**609.2738**	**0.0317**		**610.0668**

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					0.2626	0.0000	0.2626	0.0398	0.0000	0.0398			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.2626**	**1.5513**	**1.8139**	**0.0398**	**1.4411**	**1.4809**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.0357	1.3164	0.2320	4.3500e-003	0.0961	3.7600e-003	0.0998	0.0265	3.6000e-003	0.0301		462.0492	462.0492	0.0276		462.7397
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.1121**	**1.3660**	**0.7413**	**5.8300e-003**	**0.2550**	**4.8300e-003**	**0.2598**	**0.0688**	**4.5900e-003**	**0.0734**		**609.2738**	**609.2738**	**0.0317**		**610.0668**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.2012	1.2900e-003	0.2025	0.0534	1.1900e-003	0.0545		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.2012**	**1.2900e-003**	**0.2025**	**0.0534**	**1.1900e-003**	**0.0545**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**6.6936**	**2.0445**	**8.7380**	**3.6793**	**1.8809**	**5.5602**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0917	0.0595	0.6112	1.7700e-003	0.1907	1.2900e-003	0.1920	0.0508	1.1900e-003	0.0520		176.6696	176.6696	4.9200e-003		176.7925
Total	**0.0917**	**0.0595**	**0.6112**	**1.7700e-003**	**0.1907**	**1.2900e-003**	**0.1920**	**0.0508**	**1.1900e-003**	**0.0520**		**176.6696**	**176.6696**	**4.9200e-003**		**176.7925**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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					2.4276	0.0000	2.4276	1.2477	0.0000	1.2477			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**2.4276**	**1.1599**	**3.5876**	**1.2477**	**1.0671**	**2.3148**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0329	1.1449	0.2547	3.1100e-003	0.0769	2.0400e-003	0.0789	0.0221	1.9500e-003	0.0241		328.2422	328.2422	0.0239		328.8402
Worker	0.4125	0.2676	2.7504	7.9800e-003	0.9054	5.7900e-003	0.9112	0.2401	5.3300e-003	0.2455		795.0131	795.0131	0.0221		795.5664
Total	**0.4454**	**1.4125**	**3.0051**	**0.0111**	**0.9823**	**7.8300e-003**	**0.9901**	**0.2622**	**7.2800e-003**	**0.2695**		**1,123.2553**	**1,123.2553**	**0.0461**		**1,124.4065**

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0329	1.1449	0.2547	3.1100e-003	0.0736	2.0400e-003	0.0756	0.0213	1.9500e-003	0.0233		328.2422	328.2422	0.0239		328.8402
Worker	0.4125	0.2676	2.7504	7.9800e-003	0.8582	5.7900e-003	0.8640	0.2285	5.3300e-003	0.2339		795.0131	795.0131	0.0221		795.5664
Total	**0.4454**	**1.4125**	**3.0051**	**0.0111**	**0.9317**	**7.8300e-003**	**0.9396**	**0.2498**	**7.2800e-003**	**0.2571**		**1,123.2553**	**1,123.2553**	**0.0461**		**1,124.4065**

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
Total	**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**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0307	1.0846	0.2365	3.0800e-003	0.0769	1.7200e-003	0.0786	0.0221	1.6400e-003	0.0238		325.5075	325.5075	0.0231		326.0857
Worker	0.3862	0.2405	2.5225	7.6900e-003	0.9054	5.6200e-003	0.9110	0.2401	5.1800e-003	0.2453		766.3783	766.3783	0.0199		766.8748
Total	**0.4169**	**1.3251**	**2.7590**	**0.0108**	**0.9823**	**7.3400e-003**	**0.9896**	**0.2622**	**6.8200e-003**	**0.2691**		**1,091.8858**	**1,091.8858**	**0.0430**		**1,092.9605**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0307	1.0846	0.2365	3.0800e-003	0.0736	1.7200e-003	0.0753	0.0213	1.6400e-003	0.0230		325.5075	325.5075	0.0231		326.0857
Worker	0.3862	0.2405	2.5225	7.6900e-003	0.8582	5.6200e-003	0.8638	0.2285	5.1800e-003	0.2337		766.3783	766.3783	0.0199		766.8748
Total	**0.4169**	**1.3251**	**2.7590**	**0.0108**	**0.9317**	**7.3400e-003**	**0.9391**	**0.2498**	**6.8200e-003**	**0.2567**		**1,091.8858**	**1,091.8858**	**0.0430**		**1,092.9605**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1589	1.0700e-003	0.1600	0.0423	9.9000e-004	0.0433		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1589**	**1.0700e-003**	**0.1600**	**0.0423**	**9.9000e-004**	**0.0433**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Paving - 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0445	0.4671	1.4200e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		141.9219	141.9219	3.6800e-003		142.0139
Total	**0.0715**	**0.0445**	**0.4671**	**1.4200e-003**	**0.1677**	**1.0400e-003**	**0.1687**	**0.0445**	**9.6000e-004**	**0.0454**		**141.9219**	**141.9219**	**3.6800e-003**		**142.0139**

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0445	0.4671	1.4200e-003	0.1589	1.0400e-003	0.1600	0.0423	9.6000e-004	0.0433		141.9219	141.9219	3.6800e-003		142.0139
Total	**0.0715**	**0.0445**	**0.4671**	**1.4200e-003**	**0.1589**	**1.0400e-003**	**0.1600**	**0.0423**	**9.6000e-004**	**0.0433**		**141.9219**	**141.9219**	**3.6800e-003**		**142.0139**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**4.2466**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0815	0.0529	0.5433	1.5800e-003	0.1788	1.1400e-003	0.1800	0.0474	1.0500e-003	0.0485		157.0396	157.0396	4.3700e-003		157.1489
Total	**0.0815**	**0.0529**	**0.5433**	**1.5800e-003**	**0.1788**	**1.1400e-003**	**0.1800**	**0.0474**	**1.0500e-003**	**0.0485**		**157.0396**	**157.0396**	**4.3700e-003**		**157.1489**

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	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**4.2466**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0815	0.0529	0.5433	1.5800e-003	0.1695	1.1400e-003	0.1707	0.0451	1.0500e-003	0.0462		157.0396	157.0396	4.3700e-003		157.1489
Total	**0.0815**	**0.0529**	**0.5433**	**1.5800e-003**	**0.1695**	**1.1400e-003**	**0.1707**	**0.0451**	**1.0500e-003**	**0.0462**		**157.0396**	**157.0396**	**4.3700e-003**		**157.1489**

3.7 Architectural Coating - 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					
Archit. Coating	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**4.2322**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0763	0.0475	0.4983	1.5200e-003	0.1788	1.1100e-003	0.1800	0.0474	1.0200e-003	0.0485		151.3834	151.3834	3.9200e-003		151.4814
Total	**0.0763**	**0.0475**	**0.4983**	**1.5200e-003**	**0.1788**	**1.1100e-003**	**0.1800**	**0.0474**	**1.0200e-003**	**0.0485**		**151.3834**	**151.3834**	**3.9200e-003**		**151.4814**

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	4.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**4.2322**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0763	0.0475	0.4983	1.5200e-003	0.1695	1.1100e-003	0.1706	0.0451	1.0200e-003	0.0462		151.3834	151.3834	3.9200e-003		151.4814
Total	**0.0763**	**0.0475**	**0.4983**	**1.5200e-003**	**0.1695**	**1.1100e-003**	**0.1706**	**0.0451**	**1.0200e-003**	**0.0462**		**151.3834**	**151.3834**	**3.9200e-003**		**151.4814**

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	2.4468	9.8948	19.3233	0.0551	4.2116	0.0564	4.2680	1.1256	0.0564	1.1820		5,771.2819	5,771.2819	0.3604		5,780.2919
Unmitigated	2.4468	9.8948	19.3233	0.0551	4.2116	0.0564	4.2680	1.1256	0.0564	1.1820		5,771.2819	5,771.2819	0.3604		5,780.2919

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	578.28	578.28	578.28	1,979,359	1,979,359
Total	578.28	578.28	578.28	1,979,359	1,979,359

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.40	19.00	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0246	0.2098	0.0893	1.3400e-003		0.0170	0.0170		0.0170	0.0170		267.7703	267.7703	5.1300e-003	4.9100e-003	269.3615
NaturalGas Unmitigated	0.0364	0.3107	0.1322	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5787	396.5787	7.6000e-003	7.2700e-003	398.9354

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					
Apartments Low Rise	3370.92	0.0364	0.3107	0.1322	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5787	396.5787	7.6000e-003	7.2700e-003	398.9354
Total		**0.0364**	**0.3107**	**0.1322**	**1.9800e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**		**396.5787**	**396.5787**	**7.6000e-003**	**7.2700e-003**	**398.9354**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.27605	0.0246	0.2098	0.0893	1.3400e-003		0.0170	0.0170		0.0170	0.0170		267.7703	267.7703	5.1300e-003	4.9100e-003	269.3615
Total		**0.0246**	**0.2098**	**0.0893**	**1.3400e-003**		**0.0170**	**0.0170**		**0.0170**	**0.0170**		**267.7703**	**267.7703**	**5.1300e-003**	**4.9100e-003**	**269.3615**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	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	1.9533	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0113	0.0000	12.0187
Unmitigated	31.3013	2.3991	63.4824	0.1457		8.5915	8.5915		8.5915	8.5915	1,049.0949	2,027.7356	3,076.8305	3.1399	0.0712	3,176.5478

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	0.1920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	29.3480	2.3238	56.9578	0.1453		8.5555	8.5555		8.5555	8.5555	1,049.0949	2,016.0000	3,065.0949	3.1286	0.0712	3,164.5291
Landscaping	0.1971	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0113		12.0187
Total	**31.3013**	**2.3991**	**63.4824**	**0.1456**		**8.5915**	**8.5915**		**8.5915**	**8.5915**	**1,049.0949**	**2,027.7356**	**3,076.8305**	**3.1399**	**0.0712**	**3,176.5478**

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	0.1920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1971	0.0753	6.5246	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0113		12.0187
Total	**1.9533**	**0.0753**	**6.5246**	**3.4000e-004**		**0.0361**	**0.0361**		**0.0361**	**0.0361**	**0.0000**	**11.7356**	**11.7356**	**0.0113**	**0.0000**	**12.0187**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Casa Grande - Palmetto - Replacement Site

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	79.00	Dwelling Unit	3.58	79,000.00	226

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	510.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Sierra Casa Grande - Palmetto - Replacement Site - San Bernardino-South Coast County, Annual

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as 513-25*0.029-298*0.00617=510.4363 to avoid double counting.

Land Use - based on Traffic Memo, lot size is 3.58 acres

Construction Phase - Building Construction, Paving, and Architectural Coating activities are expected to overlap.

Demolition - default squarefootage determined for existing site based on 8 single family units

Vehicle Trips - Based on Traffic Memo, 7.32, CalEEMod trip % error

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Vehicle Emission Factors - EMFAC 2017 - 2022 San Bernardino County SC

Energy Use -

Construction Off-road Equipment Mitigation - RULE 402

Area Mitigation -

Energy Mitigation - CEC - homes built under 2019 standards will use about 53% less energy than those under the 2016 standard

Water Mitigation - Low flow fixtures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	174.00
tblConstructionPhase	NumDays	20.00	174.00
tblLandUse	LotAcreage	4.94	3.58
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblVehicleEF	HHD	1.21	0.24
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	60.12

tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	1.3410e-003
tblVehicleEF	HHD	6,933.41	11,330.49
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.01
tblVehicleEF	HHD	26.50	61.17
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.11
tblVehicleEF	HHD	9.7780e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	0.00
tblVehicleEF	HHD	9.3550e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
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tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.6000e-005
tblVehicleEF	HHD	3.1910e-003	5.7000e-005
tblVehicleEF	HHD	0.97	5.05
tblVehicleEF	HHD	5.2000e-005	2.1000e-005
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	2.8000e-004
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.14	0.25
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	58.80
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	1.2660e-003
tblVehicleEF	HHD	7,345.18	11,296.84
tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	20.20	2.11
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tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8810e-003	8.8310e-003
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tblVehicleEF	HHD	0.07	0.11
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	0.01	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	0.00
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tblVehicleEF	HHD	2.3300e-004	2.9300e-004
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tblVehicleEF	HHD	0.06	0.11
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	3.8000e-005
tblVehicleEF	HHD	3.4760e-003	6.6000e-005

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tblVehicleEF	LDA	0.07	0.42

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tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	0.11	0.11
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tblVehicleEF	LDA	0.01	9.3400e-003
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tblVehicleEF	LDA	0.08	0.22
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tblVehicleEF	LDA	0.03	0.22
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tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3390e-003
tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
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tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
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tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.86
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.61
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86

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tblVehicleEF	LDT1	3.6920e-003	2.8330e-003
tblVehicleEF	LDT1	2.4910e-003	2.1530e-003
tblVehicleEF	LDT1	3.3960e-003	2.6050e-003
tblVehicleEF	LDT1	0.37	1.63
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
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tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
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tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40

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tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	0.23	1.00
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tblVehicleEF	LDT1	0.39	0.30
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tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003

tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	333.43
tblVehicleEF	LDT2	79.39	69.90
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.38
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06

tblVehicleEF	LDT2	0.97	1.19
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	355.41
tblVehicleEF	LDT2	79.39	69.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
tblVehicleEF	LDT2	1.5880e-003	1.4710e-003
tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8300e-004
tblVehicleEF	LDT2	0.13	0.85
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.71
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96

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tblVehicleEF	LDT2	343.55	329.34
tblVehicleEF	LDT2	79.39	69.92
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.5990e-003
tblVehicleEF	LDT2	2.4170e-003	1.9230e-003
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tblVehicleEF	LDT2	2.2220e-003	1.7680e-003
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tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9200e-004
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tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.37
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tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	2.42

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tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.1500e-004
tblVehicleEF	LHD1	3.7070e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.27	0.07
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tblVehicleEF	LHD1	3.5300e-004	1.0000e-004
tblVehicleEF	LHD1	3.7070e-003	0.04

tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.8240e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.50
tblVehicleEF	LHD1	0.29	0.08
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tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
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tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
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tblVehicleEF	LHD1	7.3080e-003	0.07

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tblVehicleEF	LHD1	4.1220e-003	0.04
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tblVehicleEF	LHD1	3.5000e-004	9.9000e-005
tblVehicleEF	LHD1	7.3080e-003	0.07
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	4.1220e-003	0.04
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.50
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tblVehicleEF	LHD1	5.2170e-003	0.07
tblVehicleEF	LHD1	0.01	6.1100e-003
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tblVehicleEF	LHD1	30.40	10.07
tblVehicleEF	LHD1	0.09	1.05
tblVehicleEF	LHD1	2.08	1.23

tblVehicleEF	LHD1	0.97	0.28
tblVehicleEF	LHD1	9.6500e-004	0.01
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.3300e-004
tblVehicleEF	LHD1	9.2400e-004	0.01
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
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tblVehicleEF	LHD1	4.0430e-003	0.04
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tblVehicleEF	LHD1	0.02	0.29
tblVehicleEF	LHD1	1.7940e-003	0.02
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tblVehicleEF	LHD1	0.38	0.54
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tblVehicleEF	LHD1	9.2000e-005	1.2420e-003
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tblVehicleEF	LHD1	3.5200e-004	1.0000e-004
tblVehicleEF	LHD1	4.0430e-003	0.04
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.40
tblVehicleEF	LHD1	1.7940e-003	0.02
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.54
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD2	3.5950e-003	0.05

tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	8.8770e-003
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tblVehicleEF	LHD2	24.46	7.45
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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.0700e-004
tblVehicleEF	LHD2	1.3070e-003	0.02
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.23
tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3900e-004	1.8310e-003

tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
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tblVehicleEF	LHD2	0.04	0.04
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tblVehicleEF	LHD2	7.0300e-004	0.01
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
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tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.54
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tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	7.40
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tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
tblVehicleEF	LHD2	1.2280e-003	0.02
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

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tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.10	0.04
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tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.27
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	0.05
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	8.8340e-003
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tblVehicleEF	LHD2	608.52	665.25

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tblVehicleEF	LHD2	0.52	0.19
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.1600e-004
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tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
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tblVehicleEF	LHD2	0.04	0.05
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tblVehicleEF	LHD2	6.8700e-004	0.01
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.11	0.04
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tblVehicleEF	LHD2	0.04	0.05
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tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	MCY	0.00	2.33
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
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tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	2.85
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	1.56
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.00	2.28
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	5.54
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tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	5.54
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	3.54
tblVehicleEF	MCY	2.67	2.81

tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.00	2.31
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	3.15
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	1.49
tblVehicleEF	MCY	2.69	2.84

tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.13
tblVehicleEF	MDV	3.25	3.24
tblVehicleEF	MDV	483.94	412.47
tblVehicleEF	MDV	107.92	86.64
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5700e-004
tblVehicleEF	MDV	0.10	0.52
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.47
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50

tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.71
tblVehicleEF	MDV	526.85	435.67
tblVehicleEF	MDV	107.92	85.59
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.03
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.37
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4700e-004
tblVehicleEF	MDV	0.20	0.97
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.85
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41

tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.25
tblVehicleEF	MDV	473.93	408.15
tblVehicleEF	MDV	107.92	86.67
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6820e-003
tblVehicleEF	MDV	2.5170e-003	2.0250e-003
tblVehicleEF	MDV	1.6830e-003	1.5510e-003
tblVehicleEF	MDV	2.3150e-003	0.02
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5800e-004
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.45
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.07	1.31
tblVehicleEF	MH	6.43	2.11
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.89
tblVehicleEF	MH	1.54	1.48
tblVehicleEF	MH	0.91	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.8700e-004
tblVehicleEF	MH	1.47	0.11
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.51	0.04
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	1.50
tblVehicleEF	MH	0.40	0.11

tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.19	1.34
tblVehicleEF	MH	5.84	1.97
tblVehicleEF	MH	1,045.05	1,487.74
tblVehicleEF	MH	59.49	18.64
tblVehicleEF	MH	1.41	1.37
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.49
tblVehicleEF	MH	0.34	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9700e-004	1.8400e-004
tblVehicleEF	MH	2.91	0.20
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.21	0.08
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	1.49

tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.08	1.31
tblVehicleEF	MH	6.36	2.12
tblVehicleEF	MH	1,045.05	1,487.68
tblVehicleEF	MH	59.49	18.90
tblVehicleEF	MH	1.51	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1740e-003	2.5200e-004
tblVehicleEF	MH	3.2230e-003	3.2760e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.8700e-004
tblVehicleEF	MH	1.75	0.12
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.53	0.04
tblVehicleEF	MH	0.15	0.09

tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9450e-003
tblVehicleEF	MHD	0.32	3.17
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.34
tblVehicleEF	MHD	156.91	758.35
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	2.89
tblVehicleEF	MHD	0.60	5.74
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.62
tblVehicleEF	MHD	3.8600e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.6900e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02

tblVehicleEF	MHD	1.5080e-003	7.1830e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	2.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.1290e-003
tblVehicleEF	MHD	0.04	6.7960e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	6.5100e-004	2.1860e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	2.8280e-003
tblVehicleEF	MHD	0.24	2.75
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.32
tblVehicleEF	MHD	166.20	765.37
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	2.86
tblVehicleEF	MHD	0.62	5.74
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.62
tblVehicleEF	MHD	3.2500e-004	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	3.1100e-004	0.01
tblVehicleEF	MHD	4.7830e-003	0.03

tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.02	0.15
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.30	0.01
tblVehicleEF	MHD	1.5950e-003	7.2500e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	2.8000e-005
tblVehicleEF	MHD	2.5300e-003	7.5470e-003
tblVehicleEF	MHD	0.05	7.8460e-003
tblVehicleEF	MHD	0.03	0.20
tblVehicleEF	MHD	1.5010e-003	4.3550e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.33	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	2.9240e-003
tblVehicleEF	MHD	0.45	3.76
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.34
tblVehicleEF	MHD	144.06	748.63
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	2.89

tblVehicleEF	MHD	0.57	5.74
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.62
tblVehicleEF	MHD	4.7000e-004	0.02
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	3.4000e-005
tblVehicleEF	MHD	4.4900e-004	0.02
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	3.2000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.03	0.16
tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.32	0.02
tblVehicleEF	MHD	1.3860e-003	7.0900e-003
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	2.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.2890e-003
tblVehicleEF	MHD	0.05	7.5870e-003
tblVehicleEF	MHD	0.04	0.21
tblVehicleEF	MHD	6.4000e-004	2.2230e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.35	0.02
tblVehicleEF	OBUS	0.01	0.12

tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	9.35
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	1.60
tblVehicleEF	OBUS	70.35	1,526.75
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	13.37
tblVehicleEF	OBUS	0.28	7.45
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	1.14
tblVehicleEF	OBUS	6.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	6.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.85
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.8400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	1.3200e-004

tblVehicleEF	OBUS	2.1800e-003	0.03
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.09
tblVehicleEF	OBUS	9.3100e-004	0.01
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.01
tblVehicleEF	OBUS	0.26	9.12
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	1.49
tblVehicleEF	OBUS	73.50	1,523.07
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	13.18
tblVehicleEF	OBUS	0.29	7.27
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	1.13
tblVehicleEF	OBUS	5.4000e-005	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	5.1000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.03	0.87
tblVehicleEF	OBUS	2.1330e-003	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.36	0.07
tblVehicleEF	OBUS	7.1400e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.3000e-004
tblVehicleEF	OBUS	4.2350e-003	0.06
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.11
tblVehicleEF	OBUS	2.1330e-003	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.19
tblVehicleEF	OBUS	0.40	0.08
tblVehicleEF	OBUS	0.01	0.12
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	9.66
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	1.60
tblVehicleEF	OBUS	66.00	1,531.82
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	13.38
tblVehicleEF	OBUS	0.27	7.69
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	1.14

tblVehicleEF	OBUS	7.7000e-005	0.02
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	1.4200e-004
tblVehicleEF	OBUS	7.4000e-005	0.01
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	1.3100e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.83
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.38	0.08
tblVehicleEF	OBUS	6.4200e-004	0.01
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	1.3200e-004
tblVehicleEF	OBUS	2.3200e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	1.07
tblVehicleEF	OBUS	9.4100e-004	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.20
tblVehicleEF	OBUS	0.42	0.08
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.71	29.13

tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	2.53
tblVehicleEF	SBUS	1,258.13	3,306.59
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.75
tblVehicleEF	SBUS	11.70	29.52
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9260e-003	0.02
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.27	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	1.4600e-004
tblVehicleEF	SBUS	2.9260e-003	0.02

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	1.3050e-003	7.2690e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.20
tblVehicleEF	SBUS	0.30	0.12
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	0.02
tblVehicleEF	SBUS	5.56	28.79
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	1.83
tblVehicleEF	SBUS	1,322.00	3,377.53
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	13.58
tblVehicleEF	SBUS	12.08	30.14
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.82
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	9.6490e-003	0.03
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	5.6170e-003	0.03

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.67	3.37
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.22	0.09
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	1.3400e-004
tblVehicleEF	SBUS	5.6170e-003	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.97	4.86
tblVehicleEF	SBUS	2.8800e-003	0.01
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.18
tblVehicleEF	SBUS	0.24	0.10
tblVehicleEF	SBUS	0.84	0.73
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	0.02
tblVehicleEF	SBUS	5.91	29.60
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	2.65
tblVehicleEF	SBUS	1,169.92	3,208.62
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	14.94
tblVehicleEF	SBUS	11.19	28.66
tblVehicleEF	SBUS	4.69	5.12

tblVehicleEF	SBUS	15.02	0.83
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	1.2200e-004
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	1.1200e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.68	3.38
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.28	0.11
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	1.4800e-004
tblVehicleEF	SBUS	2.9580e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.98	4.87
tblVehicleEF	SBUS	1.2820e-003	7.4050e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.24
tblVehicleEF	SBUS	0.31	0.12
tblVehicleEF	UBUS	1.83	4.45

tblVehicleEF	UBUS	0.08	9.1680e-003
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.80
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.61
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.0500e-004
tblVehicleEF	UBUS	8.0860e-003	4.4150e-003
tblVehicleEF	UBUS	0.11	8.5970e-003
tblVehicleEF	UBUS	3.9450e-003	2.6580e-003
tblVehicleEF	UBUS	2.50	4.54

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	8.3240e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.68
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.41
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	0.02	8.0540e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.0300e-004
tblVehicleEF	UBUS	0.02	8.0540e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	5.3510e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.03
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2430e-003
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.81
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	10.63
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.12
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.2700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.13	0.03

tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.0500e-004
tblVehicleEF	UBUS	9.2250e-003	4.4400e-003
tblVehicleEF	UBUS	0.14	9.6260e-003
tblVehicleEF	UBUS	4.1190e-003	2.6850e-003
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.40
tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	WD_TR	6.59	7.32

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.7529	3.8822	3.9177	7.2000e-003	0.2956	0.1985	0.4941	0.1198	0.1854	0.3052	0.0000	632.7438	632.7438	0.1386	0.0000	636.2079
2022	0.0755	0.2961	0.3664	6.7000e-004	0.0130	0.0147	0.0277	3.4800e-003	0.0137	0.0172	0.0000	58.5998	58.5998	0.0127	0.0000	58.9160
Maximum	**0.7529**	**3.8822**	**3.9177**	**7.2000e-003**	**0.2956**	**0.1985**	**0.4941**	**0.1198**	**0.1854**	**0.3052**	**0.0000**	**632.7438**	**632.7438**	**0.1386**	**0.0000**	**636.2079**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.7529	3.8822	3.9177	7.2000e-003	0.1862	0.1985	0.3847	0.0650	0.1854	0.2504	0.0000	632.7432	632.7432	0.1386	0.0000	636.2073
2022	0.0755	0.2961	0.3664	6.7000e-004	0.0124	0.0147	0.0271	3.3200e-003	0.0137	0.0171	0.0000	58.5997	58.5997	0.0127	0.0000	58.9159
Maximum	**0.7529**	**3.8822**	**3.9177**	**7.2000e-003**	**0.1862**	**0.1985**	**0.3847**	**0.0650**	**0.1854**	**0.2504**	**0.0000**	**632.7432**	**632.7432**	**0.1386**	**0.0000**	**636.2073**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**35.66**	**0.00**	**21.09**	**44.57**	**0.00**	**17.05**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-4-2021**	**4-3-2021**	0.9958	0.9958
2	**4-4-2021**	**7-3-2021**	0.9267	0.9267
3	**7-4-2021**	**10-3-2021**	1.3600	1.3600
4	**10-4-2021**	**1-3-2022**	1.3557	1.3557
5	**1-4-2022**	**4-3-2022**	0.3319	0.3319
		Highest	1.3600	1.3600

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	0.7120	0.0385	1.5276	1.8600e-003		0.1115	0.1115		0.1115	0.1115	11.8965	24.1919	36.0884	0.0368	8.1000e-004	37.2481
Energy	6.6300e-003	0.0567	0.0241	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	154.5571	154.5571	6.3100e-003	2.2500e-003	155.3849
Mobile	0.4435	1.7771	3.5511	0.0101	0.7522	0.0102	0.7623	0.2013	0.0102	0.2115	0.0000	958.3802	958.3802	0.0597	0.0000	959.8733
Waste						0.0000	0.0000		0.0000	0.0000	10.4581	0.0000	10.4581	0.6181	0.0000	25.9095
Water						0.0000	0.0000		0.0000	0.0000	2.3151	33.8334	36.1484	0.2397	6.0100e-003	43.9327
Total	**1.1621**	**1.8722**	**5.1028**	**0.0123**	**0.7522**	**0.1262**	**0.8784**	**0.2013**	**0.1262**	**0.3275**	**24.6697**	**1,170.9625**	**1,195.6322**	**0.9606**	**9.0700e-003**	**1,222.3484**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3451	9.4100e-003	0.8156	4.0000e-005		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	1.3308	1.3308	1.2800e-003	0.0000	1.3629
Energy	4.4800e-003	0.0383	0.0163	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	124.7282	124.7282	5.4200e-003	1.7600e-003	125.3875
Mobile	0.4435	1.7771	3.5511	0.0101	0.7522	0.0102	0.7623	0.2013	0.0102	0.2115	0.0000	958.3802	958.3802	0.0597	0.0000	959.8733
Waste						0.0000	0.0000		0.0000	0.0000	10.4581	0.0000	10.4581	0.6181	0.0000	25.9095
Water						0.0000	0.0000		0.0000	0.0000	1.8521	28.7116	30.5637	0.1919	4.8300e-003	36.7991
Total	**0.7931**	**1.8247**	**4.3830**	**0.0104**	**0.7522**	**0.0178**	**0.7699**	**0.2013**	**0.0178**	**0.2191**	**12.3102**	**1,113.1508**	**1,125.4610**	**0.8763**	**6.5900e-003**	**1,149.3322**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**31.75**	**2.53**	**14.11**	**15.77**	**0.00**	**85.93**	**12.34**	**0.00**	**85.92**	**33.10**	**50.10**	**4.94**	**5.87**	**8.77**	**27.34**	**5.97**

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	1/4/2021	1/29/2021	5	20	
2	Site Preparation	Site Preparation	1/30/2021	2/12/2021	5	10	
3	Grading	Grading	2/13/2021	3/12/2021	5	20	
4	Building Construction	Building Construction	3/13/2021	1/28/2022	5	230	
5	Paving	Paving	6/1/2021	1/28/2022	5	174	
6	Architectural Coating	Architectural Coating	6/1/2021	1/28/2022	5	174	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 226,800; Residential Outdoor: 75,600; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

<u>OffRoad Equipment</u>

Sierra Casa Grande - Palmetto - Replacement Site - San Bernardino-South Coast County, Annual

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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	115.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	81.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0900e-003	0.0000	7.0900e-003	1.0700e-003	0.0000	1.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**7.0900e-003**	**0.0155**	**0.0226**	**1.0700e-003**	**0.0144**	**0.0155**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0134	2.1600e-003	4.0000e-005	9.9000e-004	4.0000e-005	1.0300e-003	2.7000e-004	4.0000e-005	3.1000e-004	0.0000	4.2571	4.2571	2.4000e-004	0.0000	4.2631
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**1.0400e-003**	**0.0140**	**7.5000e-003**	**6.0000e-005**	**2.6300e-003**	**5.0000e-005**	**2.6900e-003**	**7.1000e-004**	**5.0000e-005**	**7.6000e-004**	**0.0000**	**5.6219**	**5.6219**	**2.8000e-004**	**0.0000**	**5.6289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6300e-003	0.0000	2.6300e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**	**2.6300e-003**	**0.0155**	**0.0181**	**4.0000e-004**	**0.0144**	**0.0148**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

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	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0134	2.1600e-003	4.0000e-005	9.4000e-004	4.0000e-005	9.8000e-004	2.6000e-004	4.0000e-005	3.0000e-004	0.0000	4.2571	4.2571	2.4000e-004	0.0000	4.2631
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**1.0400e-003**	**0.0140**	**7.5000e-003**	**6.0000e-005**	**2.5000e-003**	**5.0000e-005**	**2.5500e-003**	**6.8000e-004**	**5.0000e-005**	**7.3000e-004**	**0.0000**	**5.6219**	**5.6219**	**2.8000e-004**	**0.0000**	**5.6289**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.1000e-004	3.2100e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8189	0.8189	2.0000e-005	0.0000	0.8195
Total	**4.1000e-004**	**3.1000e-004**	**3.2100e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8189**	**0.8189**	**2.0000e-005**	**0.0000**	**0.8195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0335	0.0000	0.0335	0.0184	0.0000	0.0184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0335**	**0.0102**	**0.0437**	**0.0184**	**9.4000e-003**	**0.0278**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.1000e-004	3.2100e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.4000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8189	0.8189	2.0000e-005	0.0000	0.8195
Total	**4.1000e-004**	**3.1000e-004**	**3.2100e-003**	**1.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.4000e-004**	**2.5000e-004**	**1.0000e-005**	**2.6000e-004**	**0.0000**	**0.8189**	**0.8189**	**2.0000e-005**	**0.0000**	**0.8195**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0655**	**0.0116**	**0.0771**	**0.0337**	**0.0107**	**0.0443**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2644**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0243	0.0000	0.0243	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0243**	**0.0116**	**0.0359**	**0.0125**	**0.0107**	**0.0232**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2643**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.5600e-003**	**1.0000e-005**	**1.5700e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1996	1.8304	1.7404	2.8300e-003		0.1007	0.1007		0.0946	0.0946	0.0000	243.2191	243.2191	0.0587	0.0000	244.6861
Total	**0.1996**	**1.8304**	**1.7404**	**2.8300e-003**		**0.1007**	**0.1007**		**0.0946**	**0.0946**	**0.0000**	**243.2191**	**243.2191**	**0.0587**	**0.0000**	**244.6861**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3400e-003	0.1226	0.0249	3.3000e-004	7.9400e-003	2.1000e-004	8.1500e-003	2.2900e-003	2.0000e-004	2.4900e-003	0.0000	31.9994	31.9994	2.1600e-003	0.0000	32.0533
Worker	0.0392	0.0296	0.3030	8.6000e-004	0.0933	6.1000e-004	0.0939	0.0248	5.6000e-004	0.0253	0.0000	77.3870	77.3870	2.1700e-003	0.0000	77.4412
Total	**0.0425**	**0.1522**	**0.3280**	**1.1900e-003**	**0.1012**	**8.2000e-004**	**0.1020**	**0.0271**	**7.6000e-004**	**0.0278**	**0.0000**	**109.3864**	**109.3864**	**4.3300e-003**	**0.0000**	**109.4945**

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	0.1996	1.8304	1.7404	2.8300e-003		0.1007	0.1007		0.0946	0.0946	0.0000	243.2189	243.2189	0.0587	0.0000	244.6858
Total	**0.1996**	**1.8304**	**1.7404**	**2.8300e-003**		**0.1007**	**0.1007**		**0.0946**	**0.0946**	**0.0000**	**243.2189**	**243.2189**	**0.0587**	**0.0000**	**244.6858**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3400e-003	0.1226	0.0249	3.3000e-004	7.6100e-003	2.1000e-004	7.8200e-003	2.2100e-003	2.0000e-004	2.4100e-003	0.0000	31.9994	31.9994	2.1600e-003	0.0000	32.0533
Worker	0.0392	0.0296	0.3030	8.6000e-004	0.0884	6.1000e-004	0.0890	0.0236	5.6000e-004	0.0241	0.0000	77.3870	77.3870	2.1700e-003	0.0000	77.4412
Total	**0.0425**	**0.1522**	**0.3280**	**1.1900e-003**	**0.0960**	**8.2000e-004**	**0.0968**	**0.0258**	**7.6000e-004**	**0.0266**	**0.0000**	**109.3864**	**109.3864**	**4.3300e-003**	**0.0000**	**109.4945**

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	0.0171	0.1562	0.1636	2.7000e-004		8.0900e-003	8.0900e-003		7.6100e-003	7.6100e-003	0.0000	23.1725	23.1725	5.5500e-003	0.0000	23.3113
Total	**0.0171**	**0.1562**	**0.1636**	**2.7000e-004**		**8.0900e-003**	**8.0900e-003**		**7.6100e-003**	**7.6100e-003**	**0.0000**	**23.1725**	**23.1725**	**5.5500e-003**	**0.0000**	**23.3113**

3.5 Building Construction - 2022

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	3.0000e-004	0.0111	2.2000e-003	3.0000e-005	7.6000e-004	2.0000e-005	7.7000e-004	2.2000e-004	2.0000e-005	2.3000e-004	0.0000	3.0227	3.0227	2.0000e-004	0.0000	3.0277
Worker	3.4900e-003	2.5300e-003	0.0265	8.0000e-005	8.8800e-003	6.0000e-005	8.9400e-003	2.3600e-003	5.0000e-005	2.4100e-003	0.0000	7.1046	7.1046	1.9000e-004	0.0000	7.1093
Total	**3.7900e-003**	**0.0136**	**0.0287**	**1.1000e-004**	**9.6400e-003**	**8.0000e-005**	**9.7100e-003**	**2.5800e-003**	**7.0000e-005**	**2.6400e-003**	**0.0000**	**10.1274**	**10.1274**	**3.9000e-004**	**0.0000**	**10.1369**

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	0.0171	0.1562	0.1636	2.7000e-004		8.0900e-003	8.0900e-003		7.6100e-003	7.6100e-003	0.0000	23.1725	23.1725	5.5500e-003	0.0000	23.3113
Total	**0.0171**	**0.1562**	**0.1636**	**2.7000e-004**		**8.0900e-003**	**8.0900e-003**		**7.6100e-003**	**7.6100e-003**	**0.0000**	**23.1725**	**23.1725**	**5.5500e-003**	**0.0000**	**23.3113**

3.5 Building Construction - 2022

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	3.0000e-004	0.0111	2.2000e-003	3.0000e-005	7.2000e-004	2.0000e-005	7.4000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	3.0227	3.0227	2.0000e-004	0.0000	3.0277
Worker	3.4900e-003	2.5300e-003	0.0265	8.0000e-005	8.4200e-003	6.0000e-005	8.4800e-003	2.2500e-003	5.0000e-005	2.3000e-003	0.0000	7.1046	7.1046	1.9000e-004	0.0000	7.1093
Total	**3.7900e-003**	**0.0136**	**0.0287**	**1.1000e-004**	**9.1400e-003**	**8.0000e-005**	**9.2200e-003**	**2.4600e-003**	**7.0000e-005**	**2.5300e-003**	**0.0000**	**10.1274**	**10.1274**	**3.9000e-004**	**0.0000**	**10.1369**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0967	0.9948	1.1283	1.7600e-003		0.0522	0.0522		0.0480	0.0480	0.0000	154.1808	154.1808	0.0499	0.0000	155.4274
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0967**	**0.9948**	**1.1283**	**1.7600e-003**		**0.0522**	**0.0522**		**0.0480**	**0.0480**	**0.0000**	**154.1808**	**154.1808**	**0.0499**	**0.0000**	**155.4274**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3200e-003	4.0200e-003	0.0412	1.2000e-004	0.0127	8.0000e-005	0.0128	3.3600e-003	8.0000e-005	3.4400e-003	0.0000	10.5094	10.5094	2.9000e-004	0.0000	10.5167
Total	**5.3200e-003**	**4.0200e-003**	**0.0412**	**1.2000e-004**	**0.0127**	**8.0000e-005**	**0.0128**	**3.3600e-003**	**8.0000e-005**	**3.4400e-003**	**0.0000**	**10.5094**	**10.5094**	**2.9000e-004**	**0.0000**	**10.5167**

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	0.0967	0.9948	1.1283	1.7600e-003		0.0522	0.0522		0.0480	0.0480	0.0000	154.1806	154.1806	0.0499	0.0000	155.4272
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0967**	**0.9948**	**1.1283**	**1.7600e-003**		**0.0522**	**0.0522**		**0.0480**	**0.0480**	**0.0000**	**154.1806**	**154.1806**	**0.0499**	**0.0000**	**155.4272**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3200e-003	4.0200e-003	0.0412	1.2000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	8.0000e-005	3.2800e-003	0.0000	10.5094	10.5094	2.9000e-004	0.0000	10.5167
Total	**5.3200e-003**	**4.0200e-003**	**0.0412**	**1.2000e-004**	**0.0120**	**8.0000e-005**	**0.0121**	**3.2000e-003**	**8.0000e-005**	**3.2800e-003**	**0.0000**	**10.5094**	**10.5094**	**2.9000e-004**	**0.0000**	**10.5167**

3.6 Paving - 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
Total	**6.5000e-004**	**4.7000e-004**	**4.9000e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3157**	**1.3157**	**3.0000e-005**	**0.0000**	**1.3165**

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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
Total	**6.5000e-004**	**4.7000e-004**	**4.9000e-003**	**1.0000e-005**	**1.5600e-003**	**1.0000e-005**	**1.5700e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.3157**	**1.3157**	**3.0000e-005**	**0.0000**	**1.3165**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1176	0.1400	2.3000e-004		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	19.6601	19.6601	1.3500e-003	0.0000	19.6938
Total	**0.3270**	**0.1176**	**0.1400**	**2.3000e-004**		**7.2500e-003**	**7.2500e-003**		**7.2500e-003**	**7.2500e-003**	**0.0000**	**19.6601**	**19.6601**	**1.3500e-003**	**0.0000**	**19.6938**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6700e-003	4.2900e-003	0.0439	1.2000e-004	0.0135	9.0000e-005	0.0136	3.5900e-003	8.0000e-005	3.6700e-003	0.0000	11.2100	11.2100	3.1000e-004	0.0000	11.2178
Total	**5.6700e-003**	**4.2900e-003**	**0.0439**	**1.2000e-004**	**0.0135**	**9.0000e-005**	**0.0136**	**3.5900e-003**	**8.0000e-005**	**3.6700e-003**	**0.0000**	**11.2100**	**11.2100**	**3.1000e-004**	**0.0000**	**11.2178**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1176	0.1400	2.3000e-004		7.2500e-003	7.2500e-003		7.2500e-003	7.2500e-003	0.0000	19.6600	19.6600	1.3500e-003	0.0000	19.6938
Total	**0.3270**	**0.1176**	**0.1400**	**2.3000e-004**		**7.2500e-003**	**7.2500e-003**		**7.2500e-003**	**7.2500e-003**	**0.0000**	**19.6600**	**19.6600**	**1.3500e-003**	**0.0000**	**19.6938**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6700e-003	4.2900e-003	0.0439	1.2000e-004	0.0128	9.0000e-005	0.0129	3.4200e-003	8.0000e-005	3.5000e-003	0.0000	11.2100	11.2100	3.1000e-004	0.0000	11.2178
Total	**5.6700e-003**	**4.2900e-003**	**0.0439**	**1.2000e-004**	**0.0128**	**9.0000e-005**	**0.0129**	**3.4200e-003**	**8.0000e-005**	**3.5000e-003**	**0.0000**	**11.2100**	**11.2100**	**3.1000e-004**	**0.0000**	**11.2178**

3.7 Architectural Coating - 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					
Archit. Coating	0.0403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.0423**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.0000e-004	5.2300e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4034	1.4034	4.0000e-005	0.0000	1.4043
Total	**6.9000e-004**	**5.0000e-004**	**5.2300e-003**	**2.0000e-005**	**1.7500e-003**	**1.0000e-005**	**1.7700e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.4034**	**1.4034**	**4.0000e-005**	**0.0000**	**1.4043**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0403					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.0423**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.0000e-004	5.2300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4034	1.4034	4.0000e-005	0.0000	1.4043
Total	**6.9000e-004**	**5.0000e-004**	**5.2300e-003**	**2.0000e-005**	**1.6600e-003**	**1.0000e-005**	**1.6700e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.4034**	**1.4034**	**4.0000e-005**	**0.0000**	**1.4043**

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	0.4435	1.7771	3.5511	0.0101	0.7522	0.0102	0.7623	0.2013	0.0102	0.2115	0.0000	958.3802	958.3802	0.0597	0.0000	959.8733
Unmitigated	0.4435	1.7771	3.5511	0.0101	0.7522	0.0102	0.7623	0.2013	0.0102	0.2115	0.0000	958.3802	958.3802	0.0597	0.0000	959.8733

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	578.28	578.28	578.28	1,979,359	1,979,359
Total	578.28	578.28	578.28	1,979,359	1,979,359

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.40	19.00	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	80.3958	80.3958	4.5700e-003	9.5000e-004	80.7916
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	88.8990	88.8990	5.0500e-003	1.0400e-003	89.3367
NaturalGas Mitigated	4.4800e-003	0.0383	0.0163	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	44.3324	44.3324	8.5000e-004	8.1000e-004	44.5958
NaturalGas Unmitigated	6.6300e-003	0.0567	0.0241	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.6581	65.6581	1.2600e-003	1.2000e-003	66.0482

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.23039e+006	6.6300e-003	0.0567	0.0241	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.6581	65.6581	1.2600e-003	1.2000e-003	66.0482
Total		**6.6300e-003**	**0.0567**	**0.0241**	**3.6000e-004**		**4.5800e-003**	**4.5800e-003**		**4.5800e-003**	**4.5800e-003**	**0.0000**	**65.6581**	**65.6581**	**1.2600e-003**	**1.2000e-003**	**66.0482**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	830757	4.4800e-003	0.0383	0.0163	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	44.3324	44.3324	8.5000e-004	8.1000e-004	44.5958
Total		**4.4800e-003**	**0.0383**	**0.0163**	**2.4000e-004**		**3.0900e-003**	**3.0900e-003**		**3.0900e-003**	**3.0900e-003**	**0.0000**	**44.3324**	**44.3324**	**8.5000e-004**	**8.1000e-004**	**44.5958**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	383961	88.8990	5.0500e-003	1.0400e-003	89.3367
Total		**88.8990**	**5.0500e-003**	**1.0400e-003**	**89.3367**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	347235	80.3958	4.5700e-003	9.5000e-004	80.7916
Total		**80.3958**	**4.5700e-003**	**9.5000e-004**	**80.7916**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	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	0.3451	9.4100e-003	0.8156	4.0000e-005		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	1.3308	1.3308	1.2800e-003	0.0000	1.3629
Unmitigated	0.7120	0.0385	1.5276	1.8600e-003		0.1115	0.1115		0.1115	0.1115	11.8965	24.1919	36.0884	0.0368	8.1000e-004	37.2481

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	0.0350					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.3669	0.0291	0.7120	1.8200e-003		0.1069	0.1069		0.1069	0.1069	11.8965	22.8611	34.7576	0.0355	8.1000e-004	35.8852
Landscaping	0.0246	9.4100e-003	0.8156	4.0000e-005		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	1.3308	1.3308	1.2800e-003	0.0000	1.3629
Total	**0.7120**	**0.0385**	**1.5276**	**1.8600e-003**		**0.1115**	**0.1115**		**0.1115**	**0.1115**	**11.8965**	**24.1919**	**36.0884**	**0.0368**	**8.1000e-004**	**37.2481**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0350					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0246	9.4100e-003	0.8156	4.0000e-005		4.5100e-003	4.5100e-003		4.5100e-003	4.5100e-003	0.0000	1.3308	1.3308	1.2800e-003	0.0000	1.3629
Total	**0.3451**	**9.4100e-003**	**0.8156**	**4.0000e-005**		**4.5100e-003**	**4.5100e-003**		**4.5100e-003**	**4.5100e-003**	**0.0000**	**1.3308**	**1.3308**	**1.2800e-003**	**0.0000**	**1.3629**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	30.5637	0.1919	4.8300e-003	36.7991
Unmitigated	36.1484	0.2397	6.0100e-003	43.9327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	7.29725 / 4.60044	36.1484	0.2397	6.0100e-003	43.9327
Total		**36.1484**	**0.2397**	**6.0100e-003**	**43.9327**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.8378 / 4.31981	30.5637	0.1919	4.8300e-003	36.7991
Total		**30.5637**	**0.1919**	**4.8300e-003**	**36.7991**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.4581	0.6181	0.0000	25.9095
Unmitigated	10.4581	0.6181	0.0000	25.9095

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	51.52	10.4581	0.6181	0.0000	25.9095
Total		**10.4581**	**0.6181**	**0.0000**	**25.9095**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	51.52	10.4581	0.6181	0.0000	25.9095
Total		**10.4581**	**0.6181**	**0.0000**	**25.9095**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Health Risk Assessment
Sierra Avenue and Casa Grande Warehouse Project
City of Fontana, California

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June 2020

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APPENDIX
Appendix A: Modeling Data

LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ACES	Advanced Collaborative Emissions Study
ASF	age sensitivity factor
AB	Assembly Bill
APN	Assessor's Parcel Number
APS	auxiliary power system
AT	averaging time
AQMP	Air Quality Management Plan
ATCM	Air Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CLSP	California Landings Specific Plan
CSMA	California Subdivision Map 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	does through inhalation
du/ac	dwelling units per acre
EMFAC	Emissions Factor Model
ED	exposure duration
EF	exposure frequency
°F	Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GSP	gross state product
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HOA	homeowner's association
HQ	health quotient
HRA	health risk assessment
kg	kilograms
L	liter
MATES	Multiple Air Toxics Exposure Study
MICR	Maximum Individual Cancer Risk
mg	milligrams
$\mu g/m^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset

LIST OF ABBREVIATED TERMS (CONTINUED)

NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone
OEHHA	Office Environmental Health Hazard Assessment
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
REL_i	Reference Exposure Level of substance
$Risk_{inh\text{-}res}$	residential inhalation cancer risk
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
EPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOC	volatile organic compound

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 Sierra Avenue and Casa Grande Warehouse Project ("Project" or "proposed Project"). This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. Technical data is included as see Appendix A: Modeling Data.

1.1 Project Location and Setting

The proposed warehouse site is located in the northeastern portion of the City of Fontana (City); approximately 330 feet west of the City border as shown in Exhibit 1: *Regional Vicinity*. The warehouse site consists of three connected parcels on the northeast corner of the Sierra Avenue and Casa Grande Drive intersection; refer to Exhibit 2: *Local Vicinity.* Regional access would be available to the site via transportation routes including State Route 210 and Interstate Highway I-15. The State Route 210 entrance and exit is located approximately 1.5 miles south of the proposed Project via Sierra Avenue. The Interstate Highway I-15 entrance and exit is located approximately 1.6 miles north of the proposed Project via Sierra Avenue.

The warehouse site is a rectangular lot, mostly vacant, and unimproved site on approximately 16.5-gross acres (15.34-net acres) or approximately 661,561-square feet; refer to Exhibit 2**.** The northwest corner of the property is occupied by a single-family residence, while the remaining portion of the property is undeveloped land covered with natural vegetation, including two trees on the west side of the site. A concrete foundation from a former house remains on the site. Additionally, there is debris consisting of mostly rocks, dirt, tires, and an old domestic sprinkler hose. The property is zoned R-5 and R-MU for single-family residential and regional-mixed use commercial development by the City of Fontana, respectively.

1.2 Project Description

The proposed Project involves the development of a 317,820-square feet distribution warehouse building within the approximate 16.5-gross acre (15.34-net acre) warehouse site. The warehouse would have associated facilities and improvements such as a guard booth, mezzanine (5,000-square feet), vehicle parking, loading dock doors, trailer parking, onsite and off-site landscaping, and onsite and off-site improvements; Refer to Exhibit 3**:** *Conceptual Site Plan*.

Landscaping

Onsite landscaping would be provided on the Project site. Approximately forty-to-sixty-foot-wide landscaped buffers would be provided along the south and west boundaries and a twenty-foot-wide buffer along the northern boundary.

Project Circulation

Regional Project access would be from Interstate 215 (I-215) and State Route 210 (SR-210) via the officially designated local truck route[1] Sierra Avenue. Local access would be provided via Casa Grande Drive. Project site ingress and egress would be via four driveways; two approximately thirty-foot driveways on Sierra Avenue and two approximately forty-foot driveways on Casa Grande Drive.

Parking

The Project would provide 175 parking stalls, 45 trailers stalls, and 11 dock doors. In the future, it is anticipated for the Project to replace some parking stalls with trailer stalls. Thus, out of the 175 proposed parking stalls, 39 would be replaced by 24 trailer stalls. Ultimately, with the change in parking stalls, the Project is anticipated to provide 136 parking stalls and 69 trailer stalls.[2]

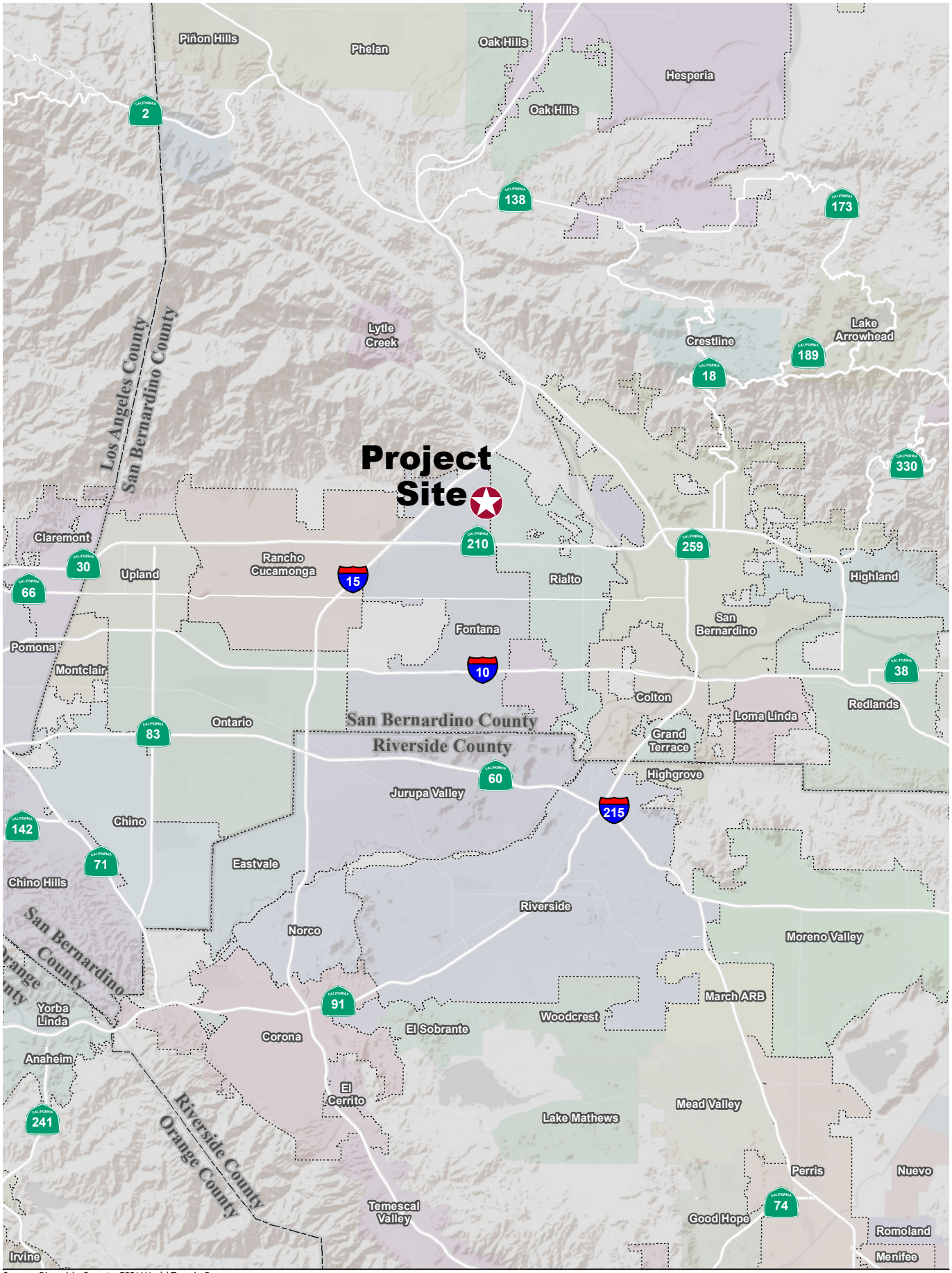
Project Phasing and Construction

The Project is anticipated to be developed in one phase. Should the Project be approved, construction is anticipated to occur over a duration of approximately 15 months, commencing in the first half of 2020; the facility would be operational in late 2021.

Offsite Improvements

The Project site will be responsible for approximately eighteen feet beyond the property line on Casa Grande Drive. Additionally, the Project would improve Sierra Avenue and Casa Grande Drive with approved curb, gutter, and lighting.

[1] City of Fontana, *Local Truck Routes*, https://www.fontana.org/DocumentCenter/View/3971/Local-Truck-Routes-2017-11x17?bidId=, accessed March 12, 2020.
[2] RGA, *Sierra Avenue/Casa Grande Drive Preliminary Site Plan – Scheme 02*, 2019.



Source: Riverside County, ESRI World Terrain Base

\\orafp01\CA_ORA\ORA_AQN\094940115 - Fontana Sierra and Casa Grande EIR\2 Exhibits\GIS\01 Regional Location.mxd

EXHIBIT 1: Regional Vicinity

Sierra Avenue and Casa Grande Warehouse Project

0 2.5 5 Miles

Kimley»Horn

Source: ESRI World Imagery

\\orafp01\CA_ORA\ORA_AQN\094940115 - Fontana Sierra and Casa Grande EIR\2 Exhibits\GIS\02 Site Vicinity.mxd

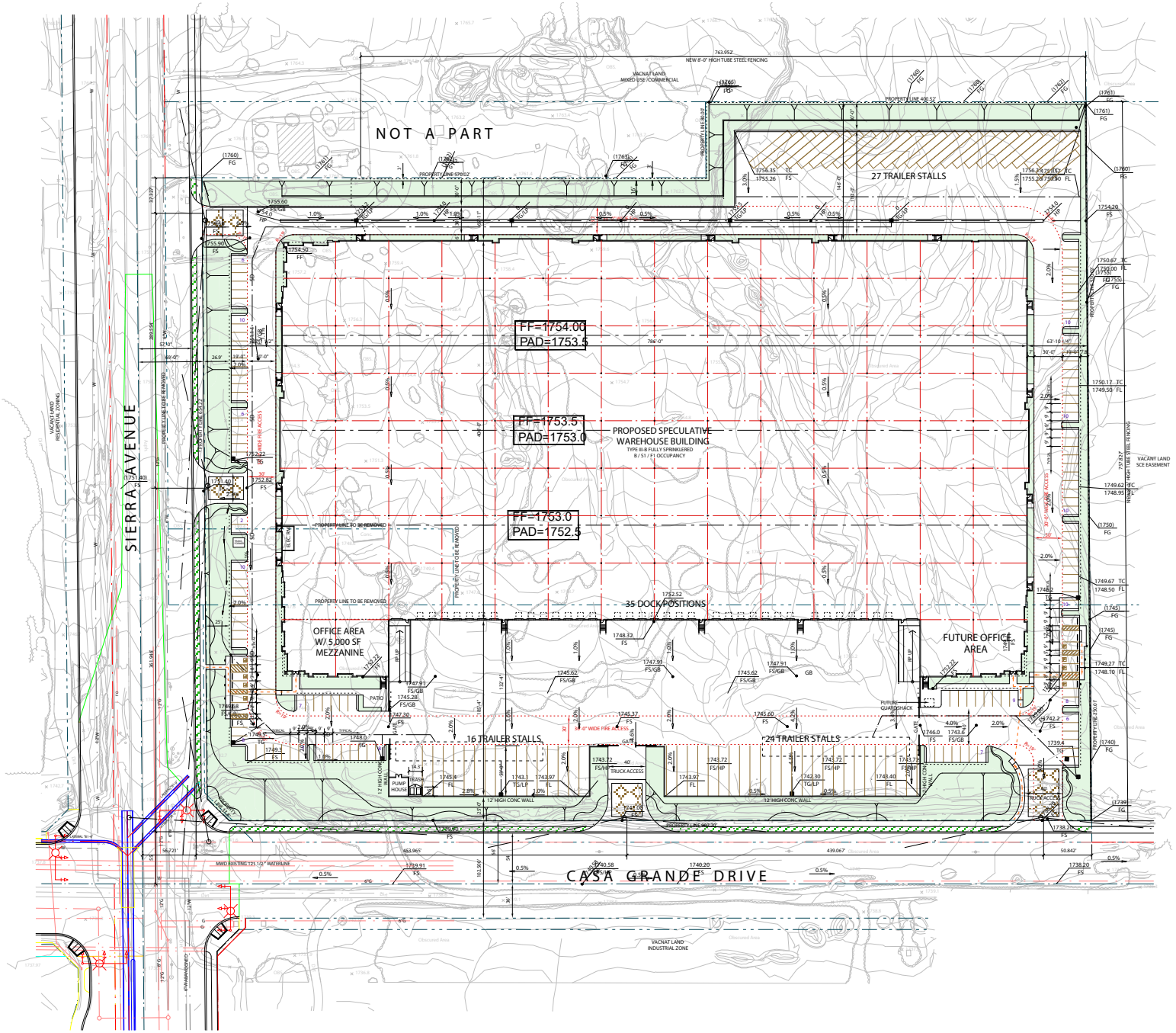
EXHIBIT 2: Site Vicinity

Sierra Avenue and Casa Grande Warehouse Project

0 250 500

Feet

Kimley»Horn



Source: RGA Office of Architectural Design

\\orafp01\CA_ORA\ORA_AQN\094940115 - Fontana Sierra and Casa Grande EIR\2 Exhibits\GIS\03 Conceptual Site Plan.mxd

EXHIBIT 3: Conceptual Site Plan

Sierra Avenue and Casa Grande Warehouse Project

Not to Scale

Kimley»Horn

2 ENVIRONMENTAL SETTING

2.1 Climate

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the South Coast Air Basin (SCAB) is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the SCAB. These factors along with applicable regulations are discussed below.

The average annual temperature varies little throughout the SCAB, averaging 75 degrees Fahrenheit (°F). However, with a less-pronounced oceanic influence, the eastern inland portions of the SCAB show greater variability in annual minimum and maximum temperatures. All portions of the SCAB have had recorded temperatures over 100°F in recent years.

2.2 Meteorology

Although the SCAB has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature. Annual average relative humidity is 70 percent at the coast and 57 percent in the eastern part of the SCAB. Precipitation in the SCAB is typically nine to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the coastal areas of the SCAB.

A temperature inversion is defined as an increase in temperature with height, or to the layer within which such an increase occurs. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above sea level, the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet, the terrain prevents the pollutants from entering the upper atmosphere, resulting in a settlement in the foothill communities. Below 1,200 feet, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire SCAB. Usually, inversions are lower before sunrise than during the day. Mixing heights for inversions are lower in the summer and more persistent, being partly responsible for the high levels of ozone (O_3) observed during summer months in the SCAB. Smog in southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods of time, allowing them to form secondary pollutants by reacting with sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds.

The area in which the Project is located offers clear skies and sunshine, yet is still susceptible to air inversions. These inversions trap a layer of stagnant air near the ground, where it is then further loaded

with pollutants. These inversions cause haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources.

2.3 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), ten 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.

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, 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. It should be noted that 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 can register their units in order 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.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of 1 million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

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. In California, diesel exhaust particles have been identified as a carcinogen.

2.4 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are 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. Sensitive land uses surrounding the Project consist mostly of single-family residential communities. Sensitive land uses near the Project include the single-family residential communities 330 feet to the east and residences currently under construction, approximately 215 feet to the southwest.

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 (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 and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the 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 more subjective.

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 general 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.[3] 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,

[3] 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.

the NO_X and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, 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 Off-Road 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.[4] 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.[5] The DRRP includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

[4] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.
[5] California Air Resources Board, *Overview: Diesel Exhaust & Health*, available at: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health, accessed March 12, 2020.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce particulate matter (PM) and oxides of nitrogen (NO_X) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks were required to be retrofitted with PM filters beginning January 1, 2012, and older trucks were required to 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 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

The California Office of Environmental Health Hazard Assessment (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 6071002704, which is within the 85-90 percentile. The residences that are located east of the Project site are within the 70-75 percentile in Census Tract 6071002703. 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.

3.3 Regional

South Coast Air Quality Management District

The CCAA provides the SCAQMD 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.

Air Toxics Control Plan

The Air Toxics Control Plan (March 2000, revised March 26, 2004) is a planning document designed to examine the overall direction of the SCAQMD's air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the SCAQMD's jurisdiction will each be brought to the SCAQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

Multiple Air Toxics Exposure Study

The SCAQMD conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. The Multiple Air Toxics Exposure Study in the SCAB (MATES IV) shows that cancer risk has decreased more than 50 percent between MATES III (2008) and MATES IV (2015).

MATES IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the SCAB emissions. Therefore, MATES IV study represents the baseline health risk for a cumulative analysis. MATES IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are near the Project site. However, MATES IV has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. MATES IV modeling predicted an excess cancer risk of 427 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68 percent of the total risk shown in MATES IV. The SCAQMD is currently preparing MATES V, which will be the latest comprehensive study of levels of toxic air pollutants the region, MATES V will include an advanced monitoring component with a focus on refinery emissions.

Assembly Bill 617 – Community Air Protection Program

Passed by the California legislature in 2017, AB 617 is a law that focuses on reducing air pollution in environmental justice communities throughout the State. AB 617 requires a statewide strategy with focused actions for communities heavily impacted by air pollution. These actions include developing community air monitoring plans (CAMPs) and/or community emissions reduction plans (CERPs) to reduce emissions of toxic air contaminants (TACs) and criteria pollutants. The San Bernardino/Muscoy area was among three communities chosen for the program. The project site is approximately four miles west of the CERP's boundary and approximately three miles west of the emissions study area boundary.

The San Bernardino/Muscoy CERP outlines the actions and commitments to reduce air pollution for the San Bernardino/Muscoy community. Implementation of the CERP is estimated to reduce NO_X emissions by 40 to 50 tons per year and PM emissions by 0.5 to 0.6 tons per year. The CERP's goal is to cut NO_X and PM emissions 10 percent by 2024 and 21 percent and 15 percent, respectively, by 2029.

CERP implementation is to take place over approximately five years. Once adopted, the CERP would allow the SCAQMD to provide incentive funds to accelerate the replacement of old trucks with technology that is cleaner than required, focus enforcement to ensure rule compliance, develop new rules to reduce emissions, work with land use agencies to develop emissions reducing policies, and implement school programs to reduce indoor levels of pollution. The CERP does not includes project-specific requirements but would allow the SCAQMD and CARB to implement emissions reducing measures. Therefore, no further analysis is warranted.

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. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether the impacts from the Project are significant. If the lead agency finds that the Project has the potential to exceed the air pollution thresholds, the Project should be considered significant. The thresholds for air toxic emissions are as follows:

- **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 in one million.

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

The SCAQMD 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 hazard index of less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

4.2 Methodology

The air dispersion modeling for the HRA was performed using the 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. Surface and upper air meteorological data is provided by the SCAQMD. Surface and upper air meteorological data from the Fontana Monitoring Station was selected as being the most representative for meteorology based on proximity to the Project site.

The Project is located near existing residential uses. Due to the increased truck traffic from the Project, the resulting emissions could result in pollutant concentrations at existing sensitive receptors. Average daily trips from truck traffic attributed to the Project were obtained from the *Traffic Impact Study for the Proposed Sierra and Casa Grande Warehouse*, prepared by Kimley-Horn and Associates, Inc. (December 2019). An emission rate for PM_{10} (DPM) was calculated using trip data and a CARB 2017 EMission FACtor model (EMFAC)[6] model run for San Bernardino County; refer to Appendix A. The emissions rate was conservatively calculated using 2020 emissions factors. This approach is conservative as it assumes no cleaner technology in future years.

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 e 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 were included in the analysis, although they are typically 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 residences approximately 215 feet southwest of the site boundary. The nearest school to the Project site is a private music school located approximately 0.3 miles (1,580 feet) north of the site.

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.

The emission source in the model are line volume sources (comprised of smaller adjacent volume sources)[7] throughout the Project site. Heavy duty vehicle emissions were assigned a release height (i.e., average stack height) of 12 feet (3.7 meters), and a plume height of 20 feet (6.22 meters). Due to the location and spacing of the nearby sensitive receptors in the Project area, receptors were modeled with 50-meter grid spacing. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project area.

[6] California Air Resources Board, *EMFAC 2017 Web Database,* www.arb.ca.gov/emfac/2017/, accessed March 2020.

[7] Construction emissions would occur from heavy-duty equipment operating throughout the Project site. These sources were characterized as multiple volume sources (modeled as adjacent line volume sources that cover the disturbed areas of the project site) to represent construction equipment.

Maximum (worst case) PM_{10} 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).

The health risk computation was conducted using the CARB Risk Assessment Standalone Tool (RAST). Project construction would occur for over a period of up to 15 months and the health risk computation was performed to determine the risk of developing an excess cancer risk calculated over this exposure period. 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.

Operational Risk

The operational 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 truck routes. Heavy duty vehicle emissions were assigned a release height of 12 feet (3.66 meters) and 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 EPA guidance for vehicle volume sources.

AERMOD was run to obtain the peak 1-hour and annual average concentration in micrograms per cubic meter ($\mu g/m^3$) of PM_{10} at the nearby sensitive receptors. According to the SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximum Individual Cancer Risk (MICR), the maximum chronic HI, the zones of impact, and excess cancer burden, as well as peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a receptor grid was placed over the Project site to cover the zone of impact. According to the SCAQMD, in order "to identify the maximum impacted receptors (i.e. peak cancer risk and peak hazard indices) a grid spacing of 100 meters or less must be used" (see page 16 of SCAQMD's Supplemental Guidelines). Due to the size of the Project site, receptors were modeled with a 50-meter grid spacing. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project. The modeling and analysis was prepared in accordance with the SCAQMD Modeling Guidance for AERMOD.[8]

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 any one point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and type of vehicles and equipment operating at 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

[8] South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed March 12, 2020.

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 and benzene 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 operation along nearby roadways. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

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

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

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

Table 1: Default Age Sensitivity Factors and Fraction of Time at Home

Age	Default Age Sensitivity Factor[1] (ASF)	Fraction of Time at Home (FAH)
Third trimester to age 2 years	10	85%
Ages 2 through 15 years	3	72%
Ages 16 and greater	1	73%

[1] Accounts for potential increased sensitivity to carcinogens during childhood.
Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015.

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

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

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

Chronic Non-Cancer Hazard

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

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

C_i =	concentration in the air of substance i (annual average concentration in µg/m^3)
REL_i =	chronic noncancer Reference Exposure Level for substance (µg/m^3)

Acute Non-Cancer Hazard

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

Acute HQ = Maximum Hourly Air Concentration (µg/m^3) / Acute REL (µg/m^3)

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 is proposed near existing residences, an analysis of DPM was performed using the EPA-approved AERMOD model.

5.1 Construction Health Risk Analysis

The duration of construction activities for the Project is estimated to take approximately 15 months. Construction-related activities would result in Project-generated emissions of diesel PM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, diesel PM 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. Sensitive receptors near the Project site include residential uses approximately 330 feet to the east and 215 feet to the southwest.

PM_{10} construction emissions rates in grams per second were calculated from the total annual mitigated on-site exhaust emissions reported in CalEEMod (a maximum of 0.08 tons per year mitigated) total during construction. It should be noted that although construction would span over several years, the modeling conservatively uses the year with the highest emission for each phase. Annual emissions were converted to grams per second and these emissions rates were input into AERMOD.

As noted above, maximum (worst case) PM_{10} exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. Risk levels were calculated 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 2: Construction Risk.

Table 2: Construction Risk

Exposure Scenario	Pollutant Concentration (µg/m³)	Maximum Cancer Risk (Risk per Million)	Chronic Noncancer Hazard	Acute Noncancer Hazard
Unmitigated Construction				
Construction	0.089	15.7	0.018	0.181
Threshold	*N/A*	*10 in one million*	*1.0*	*1.0*
Threshold Exceeded	**No**	**Yes**	**No**	**No**
Mitigated Construction (Tier 4)				
Mitigated Construction[1]	0.056	8.89	0.010	0.112
Threshold	*N/A*	*10 in one million*	*1.0*	*1.0*
Threshold Exceeded	**No**	**No**	**No**	**No**

1. Heavy-duty off-road construction equipment would be required to meet CARB Tier 4 Final emissions standards per Mitigation Measure HRA-1.

Refer to Appendix A.

Results of this assessment indicate that the unmitigated maximum concentration of PM_{10} during construction would be 0.089 µg/m^3 and resultant cancer risk of 15.7 in one million, which would exceed the SCAQMD threshold of 10 in one million. Non-cancer hazards for diesel PM would be below SCAQMD threshold of 1.0, with a chronic hazard index computed at 0.018 and an acute hazard index of 0.181. To In order to reduce the diesel PM cancer risk during construction activities, the Project shall comply with Mitigation Measure HRA-1 requiring construction equipment to meet CARB Tier 4 Final emissions standards. With implementation of Mitigation Measure HRA-1, the maximum concentration of PM_{10} during construction would be reduced to 0.056 µg/m^3. Maximum cancer risk from Project construction would decrease to 8.89 per million. Additionally, acute and chronic hazards would be lowered to 0.010 and 0.112 respectively. Therefore, with mitigation construction risk levels would be less than SCAQMD thresholds.

5.2 Operational Health Risk Analysis

Carcinogenic Risk

Vehicle DPM emissions were estimated using emission factors for course particulate matter less than 10 microns in diameter (PM_{10}) 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 SCAQMD within the South Coast portion of San Bernardino 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 Sierra Avenue and Casa Grande Avenue, as well as circulating the Project site and idling at proposed loading docks.

Based on the AERMOD outputs, the highest expected hourly average diesel PM_{10} emission concentrations from diesel truck traffic near sensitive receptors would be 0.0144 µg/m^3. The highest expected annual average diesel PM_{10} emission concentrations near sensitive receptors would be 0.0038 µg/m^3. The calculations conservatively assume no cleaner technology with lower emissions in future years. As shown in Table 3: Operational Risk, the highest calculated carcinogenic risk resulting from the Project is 2.58 per million residents.

Table 3: Operational Risk

Exposure Scenario	Maximum Cancer Risk (Risk per Million)[1, 2]	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Residents	2.58	10	No

[1] Refer to Appendix A.
[2] The maximum cancer risk would be experienced at the residential uses located at the northwest corner of the Sierra Avenue and Sierra Lakes Parkway intersection based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.

It should be noted that carcinogenic risks are calculated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen and are calculated using conservative modeling approaches that overestimate risk at the low exposure range predicted by the model. The oral and inhalation cancer slope factors are used to calculate the theoretical increased risk of an individual developing cancer based on the estimated daily exposure or dose, averaged over a lifetime. Table 3 shows that impacts related to cancer risk would be less than significant at nearby residential communities. Therefore, the Project would not adversely impact neighboring disadvantaged communities (as defined by CalEnviroScreen).

Non-Carcinogenic Hazards

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. 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 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.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. The highest maximum chronic and acute hazard index associated with both DPM and acrolein emissions from the Project would be 0.0007 and 0.0055, respectively. Therefore, non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

5.3 Conclusion

As described above, impacts related to cancer risk would be less than significant with implementation of Mitigation Measure HRA-1. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to health risk impacts, consistent with the SCAQMD guidance and methodology. The SCAQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SCAQMD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant.[9] Therefore, impacts related to health risk from the Project would be less than significant.

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 Fontana 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.

Level of Significance: Less than significant impact with mitigation incorporated.

[9] South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

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Appendix A

Modeling Data

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Emissions Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)	Directional Rate (g/sec)
Sierra Avenue - I-15 to Casa Grande	55	12	6.82E-02	2613.4	1.62	1.31E+00	1.51E-05	7.57E-06
Sierra Avenue - SR-210 to Casa Grande	55	106	6.82E-02	2355.2	1.46	1.06E+01	1.23E-04	6.14E-05
Casa Grande - to W Driveway	15	118	8.29E-02	97	0.06	5.89E-01	6.82E-06	3.41E-06
Casa Grande - W Driveway to E Driveway	15	59	8.29E-02	195.6	0.12	5.94E-01	6.88E-06	3.44E-06
W Driveway Site Entrance	5	59	6.32E-02	48.1	0.03	1.11E-01	1.29E-06	6.44E-07
E Driveway Site Entrance	5	59	6.32E-02	81	0.05	1.88E-01	2.17E-06	1.09E-06
On-Site Idling	0	118	5.66E-02	166.5	0.10	6.91E-01	8.00E-06	4.00E-06

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SAN BERNARDINO
Calendar Year: 2020
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	CO2_RUNEX	CH4_RUNEX	PM10_RUNEX	PM2_5_RUNEX	N2O_RUNEX
SAN BERNARDINO	2020	HHDT	Aggregated	5	DSL	9516.682267	0.011165606	0.012711192	0.040251805	0.192075669	45.38775018	0.000518613	0.00059756	0.000571709	0.007134322
SAN BERNARDINO	2020	HHDT	Aggregated	10	DSL	28410.70767	0.027258555	0.03103179	0.083851078	0.453399147	111.2491267	0.001266089	0.002493121	0.00238527	0.017486813
SAN BERNARDINO	2020	HHDT	Aggregated	15	DSL	34127.13938	0.021087588	0.024006614	0.067290916	0.372068856	99.08917515	0.000979464	0.002415183	0.002310703	0.015575438
SAN BERNARDINO	2020	HHDT	Aggregated	25	DSL	90822.97904	0.021657494	0.024655409	0.085859189	0.622391998	186.3797117	0.001005935	0.004928899	0.004715677	0.029296295
SAN BERNARDINO	2020	HHDT	Aggregated	35	DSL	168882.6801	0.024600032	0.028005264	0.10214629	0.840050341	282.3700474	0.001142608	0.008296906	0.007937985	0.044384639
SAN BERNARDINO	2020	HHDT	Aggregated	55	DSL	265941.5546	0.022263619	0.025345436	0.090368914	0.942071754	371.5058807	0.001034087	0.017839734	0.017067995	0.058395551
SAN BERNARDINO	2020	LDA	Aggregated	5	DSL	144.1535757	3.45667E-05	3.93519E-05	0.00054248	2.9599E-05	0.084705718	1.60556E-06	5.09909E-06	4.8785E-06	1.33146E-05
SAN BERNARDINO	2020	LDA	Aggregated	10	DSL	1043.038879	0.000182737	0.000208034	0.002911874	0.000184383	0.508145394	8.48779E-06	2.59544E-05	2.48317E-05	7.98734E-05
SAN BERNARDINO	2020	LDA	Aggregated	15	DSL	2557.269616	0.00023475	0.000267247	0.003575673	0.000357572	1.026440207	1.09037E-05	5.03492E-05	4.81711E-05	0.000161342
SAN BERNARDINO	2020	LDA	Aggregated	25	DSL	17680.69463	0.000505201	0.000575137	0.006511427	0.001890936	4.891064708	2.34656E-05	0.000232974	0.000222896	0.000768807
SAN BERNARDINO	2020	LDA	Aggregated	35	DSL	34005.6397	0.000642866	0.00073186	0.008027894	0.0035488	7.379133617	2.98599E-05	0.000346091	0.000331119	0.001159897
SAN BERNARDINO	2020	LDA	Aggregated	55	DSL	20704.24073	0.000285445	0.00032496	0.003408876	0.002368058	4.273859633	1.32584E-05	0.000186542	0.000178473	0.000671791
SAN BERNARDINO	2020	LDT1	Aggregated	5	DSL	0.558592869	6.21198E-07	7.07192E-07	2.71165E-06	5.86673E-07	0.000651004	2.88534E-08	4.66568E-07	4.46384E-07	1.02329E-07
SAN BERNARDINO	2020	LDT1	Aggregated	10	DSL	4.251326563	3.24561E-06	3.69491E-06	1.46489E-05	4.70308E-06	0.004195717	1.50752E-07	2.41591E-06	2.3114E-06	6.59508E-07
SAN BERNARDINO	2020	LDT1	Aggregated	15	DSL	10.24306475	5.65873E-06	6.44209E-06	2.58537E-05	1.17911E-05	0.008365112	2.62837E-07	4.27595E-06	4.09098E-06	1.31488E-06
SAN BERNARDINO	2020	LDT1	Aggregated	25	DSL	69.13601976	2.30419E-05	2.62317E-05	0.000111059	8.68788E-05	0.038782386	1.07025E-06	1.77554E-05	1.69873E-05	6.09605E-06
SAN BERNARDINO	2020	LDT1	Aggregated	35	DSL	130.4139321	3.18394E-05	3.62471E-05	0.00016786	0.000178724	0.056959368	1.47888E-06	2.46531E-05	2.35866E-05	8.95322E-06
SAN BERNARDINO	2020	LDT1	Aggregated	55	DSL	76.6446191	1.7297E-05	1.96915E-05	0.000117972	0.000123084	0.031409027	8.03413E-07	1.35024E-05	1.29183E-05	4.93706E-06
SAN BERNARDINO	2020	LDT2	Aggregated	5	DSL	28.33621119	8.11266E-06	9.23572E-06	6.55211E-05	5.04013E-06	0.022316915	3.76817E-07	6.146E-07	5.88012E-07	3.50791E-06
SAN BERNARDINO	2020	LDT2	Aggregated	10	DSL	204.965618	4.35957E-05	4.96308E-05	0.00035248	3.11351E-05	0.135568586	2.02494E-06	3.43227E-06	3.28379E-06	2.13095E-05
SAN BERNARDINO	2020	LDT2	Aggregated	15	DSL	502.5793775	5.3766E-05	6.12091E-05	0.000429255	5.51568E-05	0.275852277	2.49733E-06	6.73595E-06	6.44455E-06	4.33601E-05
SAN BERNARDINO	2020	LDT2	Aggregated	25	DSL	3475.296327	9.90434E-05	0.000112754	0.000749273	0.000238338	1.31544495	4.60038E-06	3.14929E-05	3.01305E-05	0.00020677
SAN BERNARDINO	2020	LDT2	Aggregated	35	DSL	6684.890424	0.000119708	0.000136279	0.000901165	0.000393891	1.976472239	5.56019E-06	4.68578E-05	4.48308E-05	0.000310674
SAN BERNARDINO	2020	LDT2	Aggregated	55	DSL	4070.920971	4.55994E-05	5.19119E-05	0.000346856	0.00022141	1.136101022	2.11801E-06	2.37492E-05	2.27218E-05	0.000178579
SAN BERNARDINO	2020	LHDT1	Aggregated	5	DSL	145.6466361	0.000121898	0.000138773	0.000488291	0.000369983	0.200946366	5.66192E-06	1.34986E-05	1.29147E-05	3.1586E-05
SAN BERNARDINO	2020	LHDT1	Aggregated	10	DSL	2307.844317	0.001397157	0.00159057	0.005624115	0.005878305	2.673651375	6.48953E-05	0.000153755	0.000147104	0.000420261
SAN BERNARDINO	2020	LHDT1	Aggregated	15	DSL	5836.648459	0.002082144	0.002370382	0.008660962	0.015002371	4.417025264	9.67116E-05	0.000294504	0.000281764	0.000694295
SAN BERNARDINO	2020	LHDT1	Aggregated	25	DSL	23931.8717	0.003685498	0.004195694	0.016927754	0.065902996	13.70245818	0.000171184	0.000774014	0.00074053	0.002153836
SAN BERNARDINO	2020	LHDT1	Aggregated	35	DSL	35618.8995	0.003822929	0.004352151	0.019200242	0.106226662	18.52200697	0.000177568	0.00086124	0.000823983	0.002911402
SAN BERNARDINO	2020	LHDT1	Aggregated	55	DSL	43827.4244	0.00400894	0.004563912	0.026420131	0.157301876	23.72871394	0.000186208	0.000946525	0.000905579	0.003729823
SAN BERNARDINO	2020	LHDT2	Aggregated	5	DSL	54.23231956	4.49056E-05	5.11221E-05	0.000182093	0.000118591	0.078946618	2.08578E-06	4.47182E-06	4.27837E-06	1.24093E-05
SAN BERNARDINO	2020	LHDT2	Aggregated	10	DSL	860.359825	0.000518796	0.000590615	0.00211067	0.00187095	1.11192464	2.40971E-05	5.22572E-05	4.99966E-05	0.000174779
SAN BERNARDINO	2020	LHDT2	Aggregated	15	DSL	2175.378327	0.000748009	0.000851558	0.00312561	0.004687795	1.871881512	3.47436E-05	0.000101202	9.68245E-05	0.000294234
SAN BERNARDINO	2020	LHDT2	Aggregated	25	DSL	8912.000208	0.001223046	0.001392357	0.005596198	0.020142377	5.833239717	5.68082E-05	0.000268417	0.000256806	0.000916904
SAN BERNARDINO	2020	LHDT2	Aggregated	35	DSL	13262.61724	0.001251513	0.001424765	0.006228784	0.032268547	7.829555103	5.81304E-05	0.000300785	0.000287774	0.001230697
SAN BERNARDINO	2020	LHDT2	Aggregated	55	DSL	16289.15266	0.00126302	0.001437864	0.00821136	0.047217937	9.572946026	5.86649E-05	0.00032189	0.000307965	0.001504734
SAN BERNARDINO	2020	MDV	Aggregated	5	DSL	87.18849425	2.01524E-05	2.29421E-05	0.00034343	1.68096E-05	0.087193878	9.36038E-07	1.95246E-06	1.868E-06	1.37057E-05
SAN BERNARDINO	2020	MDV	Aggregated	10	DSL	626.9105046	0.000106615	0.000121374	0.001832228	0.000102592	0.529831608	4.95207E-06	1.03125E-05	9.86637E-06	8.32822E-05
SAN BERNARDINO	2020	MDV	Aggregated	15	DSL	1540.423393	0.000132933	0.000151335	0.002234098	0.000191545	1.105993145	6.17448E-06	2.07751E-05	1.98763E-05	0.000173847
SAN BERNARDINO	2020	MDV	Aggregated	25	DSL	10682.06735	0.000254712	0.000289973	0.003901564	0.000938629	5.398560102	1.18309E-05	9.99043E-05	9.55825E-05	0.000848578
SAN BERNARDINO	2020	MDV	Aggregated	35	DSL	20593.24489	0.000314737	0.000358307	0.004721257	0.001698233	8.170973528	1.46189E-05	0.000151381	0.000144832	0.001284363
SAN BERNARDINO	2020	MDV	Aggregated	55	DSL	12590.13362	0.000127897	0.000145602	0.001856672	0.001094613	4.784611082	5.94058E-06	7.9089E-05	7.56676E-05	0.000752074
SAN BERNARDINO	2020	MH	Aggregated	5	DSL	4.816990893	5.55764E-06	6.327E-06	1.24154E-05	7.90328E-05	0.011132769	2.58142E-07	1.67666E-06	1.60413E-06	1.74992E-06
SAN BERNARDINO	2020	MH	Aggregated	10	DSL	91.56341557	7.83753E-05	8.9225E-05	0.000186412	0.001241254	0.192049211	3.64038E-06	2.63357E-05	2.51964E-05	3.01875E-05
SAN BERNARDINO	2020	MH	Aggregated	15	DSL	171.0724935	7.42787E-05	8.45613E-05	0.000212094	0.001612525	0.294655691	3.4501E-06	3.59921E-05	3.44351E-05	4.63158E-05
SAN BERNARDINO	2020	MH	Aggregated	25	DSL	673.1906031	9.05602E-05	0.000103097	0.000393568	0.004090439	0.853775664	4.20635E-06	8.85237E-05	8.46942E-05	0.000134202
SAN BERNARDINO	2020	MH	Aggregated	35	DSL	1241.612258	0.000111239	0.000126638	0.000533946	0.006454224	1.397849317	5.16683E-06	0.000138608	0.000132612	0.000219722
SAN BERNARDINO	2020	MH	Aggregated	55	DSL	1674.987495	0.000104979	0.000119512	0.000540215	0.007799411	1.675578512	4.87608E-06	0.000239229	0.00022888	0.000263378
SAN BERNARDINO	2020	MHDT	Aggregated	5	DSL	346.9018778	0.000590907	0.000672703	0.001005674	0.003823656	0.923581028	2.74461E-05	8.83987E-05	8.45746E-05	0.000145174
SAN BERNARDINO	2020	MHDT	Aggregated	10	DSL	7118.425785	0.009142303	0.010407816	0.015975744	0.063641585	16.05489318	0.000424636	0.001538275	0.00147173	0.002523606
SAN BERNARDINO	2020	MHDT	Aggregated	15	DSL	13059.56608	0.008736902	0.009946297	0.018643646	0.08392567	23.52817209	0.000405806	0.001993372	0.00190714	0.003698301
SAN BERNARDINO	2020	MHDT	Aggregated	25	DSL	48701.25011	0.011719068	0.013341267	0.037291512	0.213290724	65.65029763	0.00054432	0.004400069	0.004209724	0.010319313
SAN BERNARDINO	2020	MHDT	Aggregated	35	DSL	90355.35549	0.014585345	0.016604305	0.051436209	0.306668038	98.804661	0.000677452	0.006923971	0.006624443	0.015530717
SAN BERNARDINO	2020	MHDT	Aggregated	55	DSL	114027.2296	0.012411791	0.014129879	0.050091529	0.318290561	109.0682243	0.000576496	0.011648949	0.011145021	0.017144006
SAN BERNARDINO	2020	OBUS	Aggregated	5	DSL	6.305199196	1.33327E-05	1.51782E-05	2.36549E-05	8.74576E-05	0.020780691	6.19268E-07	2.19429E-06	2.09936E-06	3.26644E-06
SAN BERNARDINO	2020	OBUS	Aggregated	10	DSL	132.9115818	0.000212395	0.000241795	0.000388644	0.001481853	0.371235445	9.86518E-06	3.78826E-05	3.62438E-05	5.8353E-05
SAN BERNARDINO	2020	OBUS	Aggregated	15	DSL	219.1669243	0.000176117	0.000200496	0.000403896	0.00167394	0.473006546	8.18017E-06	4.08661E-05	3.90983E-05	7.435E-05
SAN BERNARDINO	2020	OBUS	Aggregated	25	DSL	843.6756157	0.000236215	0.000268913	0.00086873	0.004434995	1.37328749	1.09716E-05	8.04796E-05	7.69981E-05	0.000215862
SAN BERNARDINO	2020	OBUS	Aggregated	35	DSL	1597.551128	0.000285143	0.000324614	0.001146776	0.00644146	2.110843452	1.32442E-05	0.000116175	0.000111149	0.000331795
SAN BERNARDINO	2020	OBUS	Aggregated	55	DSL	1995.812577	0.000252546	0.000287504	0.000932712	0.006767824	2.318141265	1.17301E-05	0.000181214	0.000173375	0.00036438
SAN BERNARDINO	2020	SBUS	Aggregated	5	DSL	429.2077105	0.000336928	0.000383567	0.000556159	0.008100469	1.158072048	1.56494E-05	7.01574E-05	6.71224E-05	0.000182033
SAN BERNARDINO	2020	SBUS	Aggregated	10	DSL	1504.351026	0.000899385	0.001023882	0.001529256	0.023277789	3.537642951	4.17741E-05	0.000205007	0.000196138	0.000556068
SAN BERNARDINO	2020	SBUS	Aggregated	15	DSL	3008.702053	0.000968885	0.001103002	0.002074097	0.032729547	5.722037233	4.50022E-05	0.00027799	0.000265964	0.000899425
SAN BERNARDINO	2020	SBUS	Aggregated	25	DSL	6446.590143	0.000742298	0.000845049	0.002535908	0.049799948	9.12469161	3.44778E-05	0.000322476	0.000308526	0.001434274
SAN BERNARDINO	2020	SBUS	Aggregated	35	DSL	7938.196932	0.000600206	0.000683289	0.002166778	0.054375205	9.501060304	2.7878E-05	0.000306845	0.000293571	0.001493434
SAN BERNARDINO	2020	SBUS	Aggregated	55	DSL	1916.544747	0.000101746	0.00011583	0.000331028	0.012310074	2.025113343	4.72583E-06	8.16873E-05	7.81536E-05	0.00031832
SAN BERNARDINO	2020	UBUS	Aggregated	5	DSL	5.540603495	3.68563E-08	2.36242E-06	3.71695E-06	3.32917E-05	0.01414214	2.31058E-06	6.2681E-08	5.99694E-08	2.22295E-06
SAN BERNARDINO	2020	UBUS	Aggregated	10	DSL	17.90923202	9.20754E-08	6.15255E-06	9.46722E-06	9.08819E-05	0.039709146	6.02181E-06	1.83208E-07	1.75283E-07	6.24172E-06
SAN BERNARDINO	2020	UBUS	Aggregated	15	DSL	31.46293635	1.16298E-07	7.62521E-06	1.15024E-05	0.000124974	0.057752848	7.4609E-06	2.77485E-07	2.65481E-07	9.07794E-06
SAN BERNARDINO	2020	UBUS	Aggregated	25	DSL	2.827098377	2.12474E-08	4.20806E-07	6.6532E-07	9.65921E-06	0.003744928	3.9564E-07	2.5483E-08	2.43806E-08	5.88651E-07
SAN BERNARDINO	2020	UBUS	Aggregated	35	DSL	4.026564026	2.0989E-08	3.27655E-07	5.33809E-07	1.18969E-05	0.004611946	3.03231E-07	3.21026E-08	3.07138E-08	7.24934E-07
SAN BERNARDINO	2020	UBUS	Aggregated	55	DSL	5.277476395	2.3896E-08	1.46324E-07	2.91949E-07	1.15426E-05	0.00503712	1.19638E-07	4.25324E-08	4.06924E-08	7.91765E-07

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SAN BERNARDINO
Calendar Year: 2020
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	Fuel Consumption
SAN BERNARDINO	2020	HHDT	Aggregated	Aggregated	DSL	27707.12036	3999354.561	323735.258	0.277088304	0.006074528	0	0.283162832	0.157261547	0.269703554	0.710127933	601.5883003
SAN BERNARDINO	2020	LDA	Aggregated	Aggregated	DSL	6569.597379	293430.672	31275.43473	0.003150044	0	0	0.003150044	0.002587616	0.011886859	0.017624519	6.019564726
SAN BERNARDINO	2020	LDT1	Aggregated	Aggregated	DSL	59.61067403	1067.91221	194.7341318	0.000220171	0	0	0.000220171	9.41737E-06	4.32611E-05	0.000272849	0.043495937
SAN BERNARDINO	2020	LDT2	Aggregated	Aggregated	DSL	1267.752516	57700.70142	6291.570094	0.0003996	0	0	0.0003996	0.000508833	0.002337452	0.003245885	1.603351115
SAN BERNARDINO	2020	LHDT1	Aggregated	Aggregated	DSL	22885.62044	834808.4108	287872.3151	0.022281636	0.000699992	0	0.022981628	0.011042625	0.070341522	0.104365774	40.91255854
SAN BERNARDINO	2020	LHDT2	Aggregated	Aggregated	DSL	8374.806617	309443.7659	105344.5317	0.00738534	0.000254529	0	0.007639868	0.00409324	0.030419598	0.042152707	16.51891494
SAN BERNARDINO	2020	MDV	Aggregated	Aggregated	DSL	4030.525416	178779.223	19675.70218	0.001345959	0	0	0.001345959	0.001576563	0.007242336	0.010164858	6.702914482
SAN BERNARDINO	2020	MH	Aggregated	Aggregated	DSL	2509.935164	22311.17182	250.9935164	0.003875096	0	0	0.003875096	0.000393502	0.003205563	0.007474161	2.110224855
SAN BERNARDINO	2020	MHDT	Aggregated	Aggregated	DSL	17407.57983	1156917.918	170883.8159	0.113378646	0.000594648	0	0.113973294	0.015303404	0.166220478	0.295497177	111.1306722
SAN BERNARDINO	2020	OBUS	Aggregated	Aggregated	DSL	295.2661824	21583.3235	2892.999704	0.002077791	3.89654E-05	0	0.002116757	0.000285498	0.00310099	0.005503245	2.624566757
SAN BERNARDINO	2020	SBUS	Aggregated	Aggregated	DSL	1359.536592	43345.57897	15688.86378	0.002238253	9.06839E-05	0	0.002328936	0.000573364	0.035586784	0.038489084	5.736830668
SAN BERNARDINO	2020	UBUS	Aggregated	Aggregated	DSL	5.036807361	438.6321227	20.14722944	3.894E-06	0	0	3.894E-06	8.75532E-06	5.30924E-05	6.57417E-05	0.059645567

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** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 5/27/2020
** File: C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande_rev\Fontana_Sierra Casa
Grande.ADI
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** AERMOD Control Pathway
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   AVERTIME 1 24 ANNUAL
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Fontana_Sierra Casa Grande.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. **
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Sierra Avenue - I-15 to Casa Grande
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 0.0000151
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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LOCATION	L0004430	VOLUME	459803.567	3781064.740	571.34
LOCATION	L0004431	VOLUME	459803.615	3781059.740	571.16
LOCATION	L0004432	VOLUME	459803.662	3781054.740	570.99
LOCATION	L0004433	VOLUME	459803.710	3781049.740	570.81
LOCATION	L0004434	VOLUME	459803.757	3781044.741	570.63
LOCATION	L0004435	VOLUME	459803.804	3781039.741	570.47
LOCATION	L0004436	VOLUME	459803.852	3781034.741	570.30
LOCATION	L0004437	VOLUME	459803.899	3781029.741	570.14
LOCATION	L0004438	VOLUME	459803.947	3781024.741	569.98
LOCATION	L0004439	VOLUME	459803.994	3781019.742	569.82
LOCATION	L0004440	VOLUME	459804.042	3781014.742	569.65
LOCATION	L0004441	VOLUME	459804.089	3781009.742	569.50
LOCATION	L0004442	VOLUME	459804.137	3781004.742	569.35
LOCATION	L0004443	VOLUME	459804.184	3780999.743	569.19
LOCATION	L0004444	VOLUME	459804.231	3780994.743	569.04
LOCATION	L0004445	VOLUME	459804.279	3780989.743	568.89
LOCATION	L0004446	VOLUME	459804.326	3780984.743	568.74
LOCATION	L0004447	VOLUME	459804.374	3780979.743	568.56
LOCATION	L0004448	VOLUME	459804.421	3780974.744	568.37
LOCATION	L0004449	VOLUME	459804.469	3780969.744	568.18
LOCATION	L0004450	VOLUME	459804.516	3780964.744	568.00

LOCATION	L0004451	VOLUME	459804.564	3780959.744	567.81
LOCATION	L0004452	VOLUME	459804.611	3780954.745	567.62
LOCATION	L0004453	VOLUME	459804.658	3780949.745	567.44
LOCATION	L0004454	VOLUME	459804.706	3780944.745	567.27
LOCATION	L0004455	VOLUME	459804.753	3780939.745	567.10
LOCATION	L0004456	VOLUME	459804.801	3780934.745	566.92
LOCATION	L0004457	VOLUME	459804.848	3780929.746	566.75
LOCATION	L0004458	VOLUME	459804.896	3780924.746	566.57
LOCATION	L0004459	VOLUME	459804.943	3780919.746	566.41
LOCATION	L0004460	VOLUME	459804.991	3780914.746	566.26
LOCATION	L0004461	VOLUME	459805.038	3780909.747	566.12
LOCATION	L0004462	VOLUME	459805.085	3780904.747	565.97
LOCATION	L0004463	VOLUME	459805.133	3780899.747	565.83
LOCATION	L0004464	VOLUME	459805.180	3780894.747	565.68
LOCATION	L0004465	VOLUME	459805.228	3780889.748	565.53
LOCATION	L0004466	VOLUME	459805.275	3780884.748	565.38
LOCATION	L0004467	VOLUME	459805.323	3780879.748	565.23
LOCATION	L0004468	VOLUME	459805.370	3780874.748	565.08
LOCATION	L0004469	VOLUME	459805.418	3780869.748	564.94
LOCATION	L0004470	VOLUME	459805.465	3780864.749	564.79
LOCATION	L0004471	VOLUME	459805.513	3780859.749	564.64
LOCATION	L0004472	VOLUME	459805.560	3780854.749	564.49
LOCATION	L0004473	VOLUME	459805.607	3780849.749	564.34
LOCATION	L0004474	VOLUME	459805.655	3780844.750	564.19
LOCATION	L0004475	VOLUME	459805.702	3780839.750	564.04
LOCATION	L0004476	VOLUME	459805.750	3780834.750	563.90
LOCATION	L0004477	VOLUME	459805.797	3780829.750	563.75
LOCATION	L0004478	VOLUME	459805.845	3780824.750	563.60
LOCATION	L0004479	VOLUME	459805.892	3780819.751	563.44
LOCATION	L0004480	VOLUME	459805.940	3780814.751	563.29
LOCATION	L0004481	VOLUME	459805.987	3780809.751	563.14
LOCATION	L0004482	VOLUME	459806.034	3780804.751	562.99
LOCATION	L0004483	VOLUME	459806.082	3780799.752	562.84
LOCATION	L0004484	VOLUME	459806.129	3780794.752	562.68
LOCATION	L0004485	VOLUME	459806.177	3780789.752	562.53
LOCATION	L0004486	VOLUME	459806.224	3780784.752	562.37
LOCATION	L0004487	VOLUME	459806.272	3780779.752	562.21
LOCATION	L0004488	VOLUME	459806.319	3780774.753	562.06
LOCATION	L0004489	VOLUME	459806.312	3780769.753	561.90
LOCATION	L0004490	VOLUME	459806.274	3780764.753	561.74
LOCATION	L0004491	VOLUME	459806.235	3780759.753	561.58
LOCATION	L0004492	VOLUME	459806.197	3780754.753	561.41
LOCATION	L0004493	VOLUME	459806.158	3780749.753	561.25
LOCATION	L0004494	VOLUME	459806.119	3780744.754	561.09
LOCATION	L0004495	VOLUME	459806.081	3780739.754	560.92
LOCATION	L0004496	VOLUME	459806.042	3780734.754	560.75
LOCATION	L0004497	VOLUME	459806.004	3780729.754	560.58
LOCATION	L0004498	VOLUME	459805.965	3780724.754	560.40

LOCATION	L0004499	VOLUME	459805.927	3780719.754	560.23
LOCATION	L0004500	VOLUME	459805.888	3780714.755	560.06
LOCATION	L0004501	VOLUME	459805.849	3780709.755	559.88
LOCATION	L0004502	VOLUME	459805.811	3780704.755	559.71
LOCATION	L0004503	VOLUME	459805.772	3780699.755	559.55
LOCATION	L0004504	VOLUME	459805.734	3780694.755	559.39
LOCATION	L0004505	VOLUME	459805.695	3780689.755	559.23
LOCATION	L0004506	VOLUME	459805.656	3780684.755	559.06
LOCATION	L0004507	VOLUME	459805.618	3780679.756	558.90
LOCATION	L0004508	VOLUME	459805.579	3780674.756	558.74
LOCATION	L0004509	VOLUME	459805.541	3780669.756	558.58
LOCATION	L0004510	VOLUME	459805.502	3780664.756	558.42
LOCATION	L0004511	VOLUME	459805.464	3780659.756	558.26
LOCATION	L0004512	VOLUME	459805.425	3780654.756	558.10
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LOCATION	L0004515	VOLUME	459805.309	3780639.757	557.58
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LOCATION	L0004523	VOLUME	459805.001	3780599.758	556.09
LOCATION	L0004524	VOLUME	459804.962	3780594.758	555.93
LOCATION	L0004525	VOLUME	459804.923	3780589.758	555.77
LOCATION	L0004526	VOLUME	459804.885	3780584.758	555.60
LOCATION	L0004527	VOLUME	459804.846	3780579.759	555.45
LOCATION	L0004528	VOLUME	459804.808	3780574.759	555.29
LOCATION	L0004529	VOLUME	459804.769	3780569.759	555.13
LOCATION	L0004530	VOLUME	459804.731	3780564.759	554.97
LOCATION	L0004531	VOLUME	459804.692	3780559.759	554.81
LOCATION	L0004532	VOLUME	459804.653	3780554.759	554.65
LOCATION	L0004533	VOLUME	459804.615	3780549.759	554.50
LOCATION	L0004534	VOLUME	459804.576	3780544.760	554.37
LOCATION	L0004535	VOLUME	459804.538	3780539.760	554.23
LOCATION	L0004536	VOLUME	459804.499	3780534.760	554.10
LOCATION	L0004537	VOLUME	459804.461	3780529.760	553.96
LOCATION	L0004538	VOLUME	459804.422	3780524.760	553.83
LOCATION	L0004539	VOLUME	459804.383	3780519.760	553.70
LOCATION	L0004540	VOLUME	459804.345	3780514.760	553.58
LOCATION	L0004541	VOLUME	459804.306	3780509.761	553.46
LOCATION	L0004542	VOLUME	459804.268	3780504.761	553.34
LOCATION	L0004543	VOLUME	459804.229	3780499.761	553.23
LOCATION	L0004544	VOLUME	459804.190	3780494.761	553.11
LOCATION	L0004545	VOLUME	459804.152	3780489.761	552.98
LOCATION	L0004546	VOLUME	459804.113	3780484.761	552.84

LOCATION	L0004547	VOLUME	459804.075	3780479.762	552.70
LOCATION	L0004548	VOLUME	459804.036	3780474.762	552.55
LOCATION	L0004549	VOLUME	459803.998	3780469.762	552.41
LOCATION	L0004550	VOLUME	459803.959	3780464.762	552.27
LOCATION	L0004551	VOLUME	459803.920	3780459.762	552.12
LOCATION	L0004552	VOLUME	459803.882	3780454.762	551.98
LOCATION	L0004553	VOLUME	459803.843	3780449.762	551.84
LOCATION	L0004554	VOLUME	459803.805	3780444.763	551.69
LOCATION	L0004555	VOLUME	459803.766	3780439.763	551.55
LOCATION	L0004556	VOLUME	459803.728	3780434.763	551.41
LOCATION	L0004557	VOLUME	459803.689	3780429.763	551.26
LOCATION	L0004558	VOLUME	459803.650	3780424.763	551.11
LOCATION	L0004559	VOLUME	459803.612	3780419.763	550.96
LOCATION	L0004560	VOLUME	459803.573	3780414.763	550.81
LOCATION	L0004561	VOLUME	459803.535	3780409.764	550.66
LOCATION	L0004562	VOLUME	459803.496	3780404.764	550.50
LOCATION	L0004563	VOLUME	459803.457	3780399.764	550.35
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LOCATION	L0004565	VOLUME	459803.380	3780389.764	550.04
LOCATION	L0004566	VOLUME	459803.342	3780384.764	549.88
LOCATION	L0004567	VOLUME	459803.303	3780379.764	549.72
LOCATION	L0004568	VOLUME	459803.265	3780374.765	549.56
LOCATION	L0004569	VOLUME	459803.226	3780369.765	549.40
LOCATION	L0004570	VOLUME	459803.187	3780364.765	549.26
LOCATION	L0004571	VOLUME	459803.149	3780359.765	549.12
LOCATION	L0004572	VOLUME	459803.110	3780354.765	548.98
LOCATION	L0004573	VOLUME	459803.072	3780349.765	548.85
LOCATION	L0004574	VOLUME	459803.033	3780344.766	548.71
LOCATION	L0004575	VOLUME	459802.995	3780339.766	548.57
LOCATION	L0004576	VOLUME	459802.956	3780334.766	548.44
LOCATION	L0004577	VOLUME	459802.917	3780329.766	548.30
LOCATION	L0004578	VOLUME	459802.879	3780324.766	548.17
LOCATION	L0004579	VOLUME	459802.840	3780319.766	548.04
LOCATION	L0004580	VOLUME	459802.802	3780314.766	547.91
LOCATION	L0004581	VOLUME	459802.763	3780309.767	547.78
LOCATION	L0004582	VOLUME	459802.724	3780304.767	547.65
LOCATION	L0004583	VOLUME	459802.686	3780299.767	547.51
LOCATION	L0004584	VOLUME	459802.647	3780294.767	547.37
LOCATION	L0004585	VOLUME	459802.609	3780289.767	547.24
LOCATION	L0004586	VOLUME	459802.570	3780284.767	547.10
LOCATION	L0004587	VOLUME	459802.532	3780279.767	546.97
LOCATION	L0004588	VOLUME	459802.493	3780274.768	546.83
LOCATION	L0004589	VOLUME	459802.454	3780269.768	546.70
LOCATION	L0004590	VOLUME	459802.416	3780264.768	546.56
LOCATION	L0004591	VOLUME	459802.377	3780259.768	546.42
LOCATION	L0004592	VOLUME	459802.339	3780254.768	546.29
LOCATION	L0004593	VOLUME	459802.300	3780249.768	546.15
LOCATION	L0004594	VOLUME	459802.262	3780244.769	546.01

LOCATION	L0004595	VOLUME	459802.223	3780239.769	545.88
LOCATION	L0004596	VOLUME	459802.184	3780234.769	545.74
LOCATION	L0004597	VOLUME	459802.146	3780229.769	545.61
LOCATION	L0004598	VOLUME	459802.107	3780224.769	545.48
LOCATION	L0004599	VOLUME	459802.069	3780219.769	545.34
LOCATION	L0004600	VOLUME	459802.030	3780214.769	545.21
LOCATION	L0004601	VOLUME	459801.991	3780209.770	545.06
LOCATION	L0004602	VOLUME	459801.953	3780204.770	544.92
LOCATION	L0004603	VOLUME	459801.914	3780199.770	544.77
LOCATION	L0004604	VOLUME	459801.876	3780194.770	544.62
LOCATION	L0004605	VOLUME	459801.837	3780189.770	544.48
LOCATION	L0004606	VOLUME	459801.799	3780184.770	544.33
LOCATION	L0004607	VOLUME	459801.760	3780179.770	544.18
LOCATION	L0004608	VOLUME	459801.721	3780174.771	544.03
LOCATION	L0004609	VOLUME	459801.683	3780169.771	543.88
LOCATION	L0004610	VOLUME	459801.644	3780164.771	543.73
LOCATION	L0004611	VOLUME	459801.606	3780159.771	543.58
LOCATION	L0004612	VOLUME	459801.567	3780154.771	543.44
LOCATION	L0004613	VOLUME	459801.529	3780149.771	543.28
LOCATION	L0004614	VOLUME	459801.490	3780144.771	543.13
LOCATION	L0004615	VOLUME	459801.451	3780139.772	542.97
LOCATION	L0004616	VOLUME	459801.413	3780134.772	542.81
LOCATION	L0004617	VOLUME	459801.374	3780129.772	542.65
LOCATION	L0004618	VOLUME	459801.336	3780124.772	542.50
LOCATION	L0004619	VOLUME	459801.297	3780119.772	542.33
LOCATION	L0004620	VOLUME	459801.258	3780114.772	542.16
LOCATION	L0004621	VOLUME	459801.220	3780109.773	541.99
LOCATION	L0004622	VOLUME	459801.181	3780104.773	541.81
LOCATION	L0004623	VOLUME	459801.143	3780099.773	541.64
LOCATION	L0004624	VOLUME	459801.104	3780094.773	541.46
LOCATION	L0004625	VOLUME	459801.066	3780089.773	541.29
LOCATION	L0004626	VOLUME	459801.027	3780084.773	541.12
LOCATION	L0004627	VOLUME	459800.988	3780079.773	540.95
LOCATION	L0004628	VOLUME	459800.950	3780074.774	540.79
LOCATION	L0004629	VOLUME	459800.911	3780069.774	540.62
LOCATION	L0004630	VOLUME	459800.873	3780064.774	540.45
LOCATION	L0004631	VOLUME	459800.834	3780059.774	540.28
LOCATION	L0004632	VOLUME	459800.796	3780054.774	540.13
LOCATION	L0004633	VOLUME	459800.757	3780049.774	539.98
LOCATION	L0004634	VOLUME	459800.718	3780044.774	539.83
LOCATION	L0004635	VOLUME	459800.680	3780039.775	539.68
LOCATION	L0004636	VOLUME	459800.641	3780034.775	539.53
LOCATION	L0004637	VOLUME	459800.603	3780029.775	539.38
LOCATION	L0004638	VOLUME	459800.564	3780024.775	539.24
LOCATION	L0004639	VOLUME	459800.526	3780019.775	539.09
LOCATION	L0004640	VOLUME	459800.487	3780014.775	538.95
LOCATION	L0004641	VOLUME	459800.448	3780009.776	538.80
LOCATION	L0004642	VOLUME	459800.410	3780004.776	538.66

LOCATION	L0004643	VOLUME	459800.371	3779999.776	538.51
LOCATION	L0004644	VOLUME	459800.333	3779994.776	538.37
LOCATION	L0004645	VOLUME	459800.294	3779989.776	538.22
LOCATION	L0004646	VOLUME	459800.255	3779984.776	538.08
LOCATION	L0004647	VOLUME	459800.217	3779979.776	537.93
LOCATION	L0004648	VOLUME	459800.178	3779974.777	537.79
LOCATION	L0004649	VOLUME	459800.140	3779969.777	537.64
LOCATION	L0004650	VOLUME	459800.101	3779964.777	537.50
LOCATION	L0004651	VOLUME	459800.063	3779959.777	537.36
LOCATION	L0004652	VOLUME	459800.024	3779954.777	537.22
LOCATION	L0004653	VOLUME	459799.985	3779949.777	537.08
LOCATION	L0004654	VOLUME	459799.947	3779944.777	536.93
LOCATION	L0004655	VOLUME	459799.908	3779939.778	536.79
LOCATION	L0004656	VOLUME	459799.870	3779934.778	536.65
LOCATION	L0004657	VOLUME	459799.831	3779929.778	536.51
LOCATION	L0004658	VOLUME	459799.793	3779924.778	536.37
LOCATION	L0004659	VOLUME	459799.754	3779919.778	536.23
LOCATION	L0004660	VOLUME	459799.715	3779914.778	536.09
LOCATION	L0004661	VOLUME	459799.677	3779909.778	535.95
LOCATION	L0004662	VOLUME	459799.638	3779904.779	535.81
LOCATION	L0004663	VOLUME	459799.600	3779899.779	535.67
LOCATION	L0004664	VOLUME	459799.561	3779894.779	535.53
LOCATION	L0004665	VOLUME	459799.522	3779889.779	535.39
LOCATION	L0004666	VOLUME	459799.484	3779884.779	535.26
LOCATION	L0004667	VOLUME	459799.445	3779879.779	535.12
LOCATION	L0004668	VOLUME	459799.407	3779874.780	534.98
LOCATION	L0004669	VOLUME	459799.368	3779869.780	534.83
LOCATION	L0004670	VOLUME	459799.330	3779864.780	534.67
LOCATION	L0004671	VOLUME	459799.291	3779859.780	534.52
LOCATION	L0004672	VOLUME	459799.252	3779854.780	534.36
LOCATION	L0004673	VOLUME	459799.214	3779849.780	534.21
LOCATION	L0004674	VOLUME	459799.175	3779844.780	534.05
LOCATION	L0004675	VOLUME	459799.137	3779839.781	533.90
LOCATION	L0004676	VOLUME	459799.098	3779834.781	533.74
LOCATION	L0004677	VOLUME	459799.060	3779829.781	533.59
LOCATION	L0004678	VOLUME	459799.021	3779824.781	533.43
LOCATION	L0004679	VOLUME	459798.982	3779819.781	533.28
LOCATION	L0004680	VOLUME	459798.944	3779814.781	533.13
LOCATION	L0004681	VOLUME	459798.905	3779809.781	532.99
LOCATION	L0004682	VOLUME	459798.867	3779804.782	532.86
LOCATION	L0004683	VOLUME	459798.828	3779799.782	532.73
LOCATION	L0004684	VOLUME	459798.789	3779794.782	532.60
LOCATION	L0004685	VOLUME	459798.751	3779789.782	532.47
LOCATION	L0004686	VOLUME	459798.712	3779784.782	532.34
LOCATION	L0004687	VOLUME	459798.674	3779779.782	532.22
LOCATION	L0004688	VOLUME	459798.635	3779774.782	532.09
LOCATION	L0004689	VOLUME	459798.597	3779769.783	531.97
LOCATION	L0004690	VOLUME	459798.558	3779764.783	531.85

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   LOCATION L0004691     VOLUME   459798.519 3779759.783 531.72
   LOCATION L0004692     VOLUME   459798.481 3779754.783 531.60
   LOCATION L0004693     VOLUME   459798.442 3779749.783 531.47
   LOCATION L0004694     VOLUME   459798.404 3779744.783 531.34
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Sierra Avenue - SR-210 to Casa Grande
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 0.000123
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
** 459795.859, 3777387.468, 465.79, 3.70, 2.33
** 459791.705, 3777552.074, 473.30, 3.70, 2.33
** 459798.663, 3778918.242, 508.32, 3.70, 2.33
** 459798.334, 3779742.591, 531.33, 3.70, 2.33
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   LOCATION L0004695     VOLUME   459795.796 3777389.967 467.15
   LOCATION L0004696     VOLUME   459795.669 3777394.966 468.03
   LOCATION L0004697     VOLUME   459795.543 3777399.964 468.91
   LOCATION L0004698     VOLUME   459795.417 3777404.962 469.80
   LOCATION L0004699     VOLUME   459795.291 3777409.961 470.68
   LOCATION L0004700     VOLUME   459795.165 3777414.959 470.90
   LOCATION L0004701     VOLUME   459795.039 3777419.958 471.00
   LOCATION L0004702     VOLUME   459794.913 3777424.956 471.10
   LOCATION L0004703     VOLUME   459794.786 3777429.955 471.20
   LOCATION L0004704     VOLUME   459794.660 3777434.953 471.30
   LOCATION L0004705     VOLUME   459794.534 3777439.951 471.40
   LOCATION L0004706     VOLUME   459794.408 3777444.950 471.46
   LOCATION L0004707     VOLUME   459794.282 3777449.948 471.50
   LOCATION L0004708     VOLUME   459794.156 3777454.947 471.54
   LOCATION L0004709     VOLUME   459794.030 3777459.945 471.57
   LOCATION L0004710     VOLUME   459793.903 3777464.943 471.61
   LOCATION L0004711     VOLUME   459793.777 3777469.942 471.65
   LOCATION L0004712     VOLUME   459793.651 3777474.940 471.70
   LOCATION L0004713     VOLUME   459793.525 3777479.939 471.76
   LOCATION L0004714     VOLUME   459793.399 3777484.937 471.82
   LOCATION L0004715     VOLUME   459793.273 3777489.935 471.88
   LOCATION L0004716     VOLUME   459793.147 3777494.934 471.94
   LOCATION L0004717     VOLUME   459793.020 3777499.932 472.01
   LOCATION L0004718     VOLUME   459792.894 3777504.931 472.09
   LOCATION L0004719     VOLUME   459792.768 3777509.929 472.20
   LOCATION L0004720     VOLUME   459792.642 3777514.927 472.31
   LOCATION L0004721     VOLUME   459792.516 3777519.926 472.42
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LOCATION	L0004722	VOLUME	459792.390	3777524.924	472.53
LOCATION	L0004723	VOLUME	459792.264	3777529.923	472.64
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LOCATION	L0004725	VOLUME	459792.011	3777539.920	472.88
LOCATION	L0004726	VOLUME	459791.885	3777544.918	473.01
LOCATION	L0004727	VOLUME	459791.759	3777549.916	473.13
LOCATION	L0004728	VOLUME	459791.719	3777554.916	473.26
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LOCATION	L0004730	VOLUME	459791.770	3777564.915	473.51
LOCATION	L0004731	VOLUME	459791.795	3777569.915	473.63
LOCATION	L0004732	VOLUME	459791.821	3777574.915	473.75
LOCATION	L0004733	VOLUME	459791.846	3777579.915	473.88
LOCATION	L0004734	VOLUME	459791.872	3777584.915	474.00
LOCATION	L0004735	VOLUME	459791.897	3777589.915	474.13
LOCATION	L0004736	VOLUME	459791.923	3777594.915	474.25
LOCATION	L0004737	VOLUME	459791.948	3777599.915	474.38
LOCATION	L0004738	VOLUME	459791.974	3777604.915	474.50
LOCATION	L0004739	VOLUME	459791.999	3777609.915	474.63
LOCATION	L0004740	VOLUME	459792.025	3777614.915	474.75
LOCATION	L0004741	VOLUME	459792.050	3777619.915	474.88
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LOCATION	L0004747	VOLUME	459792.203	3777649.914	475.58
LOCATION	L0004748	VOLUME	459792.228	3777654.914	475.70
LOCATION	L0004749	VOLUME	459792.254	3777659.914	475.81
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LOCATION	L0004752	VOLUME	459792.330	3777674.914	476.17
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LOCATION	L0004758	VOLUME	459792.483	3777704.914	476.87
LOCATION	L0004759	VOLUME	459792.509	3777709.914	476.99
LOCATION	L0004760	VOLUME	459792.534	3777714.914	477.11
LOCATION	L0004761	VOLUME	459792.559	3777719.913	477.23
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LOCATION	L0004770	VOLUME	459792.789	3777764.913	478.39
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LOCATION	L0004772	VOLUME	459792.840	3777774.913	478.65
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LOCATION	L0004774	VOLUME	459792.891	3777784.913	478.91
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LOCATION	L0004776	VOLUME	459792.941	3777794.913	479.16
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LOCATION	L0004778	VOLUME	459792.992	3777804.912	479.42
LOCATION	L0004779	VOLUME	459793.018	3777809.912	479.54
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LOCATION	L0004783	VOLUME	459793.120	3777829.912	480.14
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LOCATION	L0004785	VOLUME	459793.171	3777839.912	480.44
LOCATION	L0004786	VOLUME	459793.196	3777844.912	480.57
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LOCATION	L0004793	VOLUME	459793.374	3777879.911	481.44
LOCATION	L0004794	VOLUME	459793.400	3777884.911	481.56
LOCATION	L0004795	VOLUME	459793.425	3777889.911	481.69
LOCATION	L0004796	VOLUME	459793.451	3777894.911	481.81
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LOCATION	L0004801	VOLUME	459793.578	3777919.911	482.40
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LOCATION	L0004803	VOLUME	459793.629	3777929.911	482.63
LOCATION	L0004804	VOLUME	459793.655	3777934.911	482.75
LOCATION	L0004805	VOLUME	459793.680	3777939.911	482.88
LOCATION	L0004806	VOLUME	459793.706	3777944.911	483.02
LOCATION	L0004807	VOLUME	459793.731	3777949.910	483.15
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LOCATION	L0004817	VOLUME	459793.986	3777999.910	484.65

LOCATION	L0004818	VOLUME	459794.011	3778004.910	484.78
LOCATION	L0004819	VOLUME	459794.037	3778009.910	484.90
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LOCATION	L0004832	VOLUME	459794.368	3778074.909	486.62
LOCATION	L0004833	VOLUME	459794.393	3778079.909	486.73
LOCATION	L0004834	VOLUME	459794.419	3778084.909	486.85
LOCATION	L0004835	VOLUME	459794.444	3778089.909	486.96
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LOCATION	L0004848	VOLUME	459794.775	3778154.908	488.48
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LOCATION	L0004855	VOLUME	459794.953	3778189.907	489.23
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LOCATION	L0004857	VOLUME	459795.004	3778199.907	489.43
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LOCATION	L0004859	VOLUME	459795.055	3778209.907	489.64
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LOCATION	L0004866	VOLUME	459795.234	3778244.907	490.42
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LOCATION	L0004875	VOLUME	459795.463	3778289.906	491.52
LOCATION	L0004876	VOLUME	459795.488	3778294.906	491.65
LOCATION	L0004877	VOLUME	459795.514	3778299.906	491.77
LOCATION	L0004878	VOLUME	459795.539	3778304.906	491.90
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LOCATION	L0004881	VOLUME	459795.616	3778319.906	492.33
LOCATION	L0004882	VOLUME	459795.641	3778324.906	492.47
LOCATION	L0004883	VOLUME	459795.666	3778329.906	492.61
LOCATION	L0004884	VOLUME	459795.692	3778334.905	492.75
LOCATION	L0004885	VOLUME	459795.717	3778339.905	492.90
LOCATION	L0004886	VOLUME	459795.743	3778344.905	493.05
LOCATION	L0004887	VOLUME	459795.768	3778349.905	493.20
LOCATION	L0004888	VOLUME	459795.794	3778354.905	493.35
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LOCATION	L0004890	VOLUME	459795.845	3778364.905	493.65
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LOCATION	L0004904	VOLUME	459796.201	3778434.904	495.45
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LOCATION	L0004908	VOLUME	459796.303	3778454.904	496.02
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LOCATION	L0004912	VOLUME	459796.405	3778474.904	496.53
LOCATION	L0004913	VOLUME	459796.430	3778479.904	496.65

LOCATION	L0004914	VOLUME	459796.456	3778484.904	496.77
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LOCATION	L0004916	VOLUME	459796.507	3778494.903	497.05
LOCATION	L0004917	VOLUME	459796.532	3778499.903	497.20
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LOCATION	L0004934	VOLUME	459796.965	3778584.902	499.66
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LOCATION	L0004943	VOLUME	459797.195	3778629.902	500.92
LOCATION	L0004944	VOLUME	459797.220	3778634.902	501.04
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LOCATION	L0004952	VOLUME	459797.424	3778674.901	501.98
LOCATION	L0004953	VOLUME	459797.449	3778679.901	502.12
LOCATION	L0004954	VOLUME	459797.475	3778684.901	502.26
LOCATION	L0004955	VOLUME	459797.500	3778689.901	502.39
LOCATION	L0004956	VOLUME	459797.526	3778694.901	502.53
LOCATION	L0004957	VOLUME	459797.551	3778699.901	502.67
LOCATION	L0004958	VOLUME	459797.577	3778704.901	502.81
LOCATION	L0004959	VOLUME	459797.602	3778709.901	502.96
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LOCATION	L0004961	VOLUME	459797.653	3778719.901	503.25

LOCATION	L0004962	VOLUME	459797.678	3778724.900	503.39
LOCATION	L0004963	VOLUME	459797.704	3778729.900	503.54
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LOCATION	L0004965	VOLUME	459797.755	3778739.900	503.81
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LOCATION	L0004967	VOLUME	459797.806	3778749.900	504.07
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LOCATION	L0004969	VOLUME	459797.857	3778759.900	504.32
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LOCATION	L0004971	VOLUME	459797.908	3778769.900	504.58
LOCATION	L0004972	VOLUME	459797.933	3778774.900	504.70
LOCATION	L0004973	VOLUME	459797.959	3778779.900	504.82
LOCATION	L0004974	VOLUME	459797.984	3778784.900	504.94
LOCATION	L0004975	VOLUME	459798.009	3778789.900	505.07
LOCATION	L0004976	VOLUME	459798.035	3778794.900	505.19
LOCATION	L0004977	VOLUME	459798.060	3778799.899	505.32
LOCATION	L0004978	VOLUME	459798.086	3778804.899	505.45
LOCATION	L0004979	VOLUME	459798.111	3778809.899	505.58
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LOCATION	L0004991	VOLUME	459798.417	3778869.899	507.18
LOCATION	L0004992	VOLUME	459798.442	3778874.898	507.32
LOCATION	L0004993	VOLUME	459798.468	3778879.898	507.45
LOCATION	L0004994	VOLUME	459798.493	3778884.898	507.58
LOCATION	L0004995	VOLUME	459798.519	3778889.898	507.71
LOCATION	L0004996	VOLUME	459798.544	3778894.898	507.82
LOCATION	L0004997	VOLUME	459798.570	3778899.898	507.93
LOCATION	L0004998	VOLUME	459798.595	3778904.898	508.04
LOCATION	L0004999	VOLUME	459798.621	3778909.898	508.15
LOCATION	L0005000	VOLUME	459798.646	3778914.898	508.25
LOCATION	L0005001	VOLUME	459798.663	3778919.898	508.36
LOCATION	L0005002	VOLUME	459798.661	3778924.898	508.50
LOCATION	L0005003	VOLUME	459798.659	3778929.898	508.63
LOCATION	L0005004	VOLUME	459798.657	3778934.898	508.77
LOCATION	L0005005	VOLUME	459798.655	3778939.898	508.91
LOCATION	L0005006	VOLUME	459798.653	3778944.898	509.04
LOCATION	L0005007	VOLUME	459798.651	3778949.898	509.18
LOCATION	L0005008	VOLUME	459798.649	3778954.898	509.32
LOCATION	L0005009	VOLUME	459798.647	3778959.898	509.46

LOCATION	L0005010	VOLUME	459798.645	3778964.898	509.60
LOCATION	L0005011	VOLUME	459798.643	3778969.898	509.74
LOCATION	L0005012	VOLUME	459798.641	3778974.898	509.87
LOCATION	L0005013	VOLUME	459798.639	3778979.898	510.01
LOCATION	L0005014	VOLUME	459798.637	3778984.898	510.16
LOCATION	L0005015	VOLUME	459798.635	3778989.898	510.30
LOCATION	L0005016	VOLUME	459798.633	3778994.898	510.44
LOCATION	L0005017	VOLUME	459798.631	3778999.898	510.59
LOCATION	L0005018	VOLUME	459798.629	3779004.898	510.73
LOCATION	L0005019	VOLUME	459798.627	3779009.898	510.87
LOCATION	L0005020	VOLUME	459798.625	3779014.898	511.02
LOCATION	L0005021	VOLUME	459798.623	3779019.898	511.16
LOCATION	L0005022	VOLUME	459798.621	3779024.898	511.31
LOCATION	L0005023	VOLUME	459798.619	3779029.898	511.45
LOCATION	L0005024	VOLUME	459798.617	3779034.898	511.59
LOCATION	L0005025	VOLUME	459798.615	3779039.898	511.74
LOCATION	L0005026	VOLUME	459798.613	3779044.898	511.89
LOCATION	L0005027	VOLUME	459798.611	3779049.898	512.04
LOCATION	L0005028	VOLUME	459798.609	3779054.898	512.20
LOCATION	L0005029	VOLUME	459798.607	3779059.898	512.35
LOCATION	L0005030	VOLUME	459798.605	3779064.898	512.51
LOCATION	L0005031	VOLUME	459798.603	3779069.898	512.66
LOCATION	L0005032	VOLUME	459798.601	3779074.898	512.81
LOCATION	L0005033	VOLUME	459798.599	3779079.898	512.94
LOCATION	L0005034	VOLUME	459798.597	3779084.898	513.06
LOCATION	L0005035	VOLUME	459798.595	3779089.898	513.19
LOCATION	L0005036	VOLUME	459798.593	3779094.898	513.32
LOCATION	L0005037	VOLUME	459798.591	3779099.898	513.45
LOCATION	L0005038	VOLUME	459798.589	3779104.898	513.57
LOCATION	L0005039	VOLUME	459798.587	3779109.898	513.68
LOCATION	L0005040	VOLUME	459798.585	3779114.898	513.79
LOCATION	L0005041	VOLUME	459798.583	3779119.898	513.90
LOCATION	L0005042	VOLUME	459798.581	3779124.898	514.01
LOCATION	L0005043	VOLUME	459798.579	3779129.898	514.12
LOCATION	L0005044	VOLUME	459798.577	3779134.898	514.23
LOCATION	L0005045	VOLUME	459798.575	3779139.898	514.34
LOCATION	L0005046	VOLUME	459798.573	3779144.898	514.46
LOCATION	L0005047	VOLUME	459798.571	3779149.898	514.58
LOCATION	L0005048	VOLUME	459798.569	3779154.898	514.70
LOCATION	L0005049	VOLUME	459798.567	3779159.898	514.81
LOCATION	L0005050	VOLUME	459798.565	3779164.898	514.93
LOCATION	L0005051	VOLUME	459798.563	3779169.898	515.05
LOCATION	L0005052	VOLUME	459798.561	3779174.898	515.18
LOCATION	L0005053	VOLUME	459798.559	3779179.898	515.30
LOCATION	L0005054	VOLUME	459798.557	3779184.898	515.43
LOCATION	L0005055	VOLUME	459798.555	3779189.898	515.55
LOCATION	L0005056	VOLUME	459798.553	3779194.898	515.68
LOCATION	L0005057	VOLUME	459798.551	3779199.898	515.80

LOCATION	L0005058	VOLUME	459798.549	3779204.898	515.93
LOCATION	L0005059	VOLUME	459798.547	3779209.898	516.06
LOCATION	L0005060	VOLUME	459798.545	3779214.898	516.19
LOCATION	L0005061	VOLUME	459798.543	3779219.898	516.32
LOCATION	L0005062	VOLUME	459798.541	3779224.898	516.45
LOCATION	L0005063	VOLUME	459798.539	3779229.898	516.58
LOCATION	L0005064	VOLUME	459798.537	3779234.898	516.71
LOCATION	L0005065	VOLUME	459798.535	3779239.898	516.84
LOCATION	L0005066	VOLUME	459798.533	3779244.898	516.97
LOCATION	L0005067	VOLUME	459798.531	3779249.898	517.10
LOCATION	L0005068	VOLUME	459798.529	3779254.898	517.23
LOCATION	L0005069	VOLUME	459798.527	3779259.898	517.36
LOCATION	L0005070	VOLUME	459798.525	3779264.898	517.50
LOCATION	L0005071	VOLUME	459798.523	3779269.898	517.64
LOCATION	L0005072	VOLUME	459798.521	3779274.898	517.78
LOCATION	L0005073	VOLUME	459798.519	3779279.898	517.92
LOCATION	L0005074	VOLUME	459798.517	3779284.898	518.06
LOCATION	L0005075	VOLUME	459798.515	3779289.898	518.20
LOCATION	L0005076	VOLUME	459798.513	3779294.898	518.35
LOCATION	L0005077	VOLUME	459798.511	3779299.898	518.50
LOCATION	L0005078	VOLUME	459798.509	3779304.898	518.66
LOCATION	L0005079	VOLUME	459798.507	3779309.898	518.81
LOCATION	L0005080	VOLUME	459798.505	3779314.898	518.97
LOCATION	L0005081	VOLUME	459798.503	3779319.898	519.12
LOCATION	L0005082	VOLUME	459798.501	3779324.898	519.26
LOCATION	L0005083	VOLUME	459798.499	3779329.898	519.41
LOCATION	L0005084	VOLUME	459798.497	3779334.898	519.55
LOCATION	L0005085	VOLUME	459798.495	3779339.898	519.70
LOCATION	L0005086	VOLUME	459798.493	3779344.898	519.84
LOCATION	L0005087	VOLUME	459798.491	3779349.898	519.99
LOCATION	L0005088	VOLUME	459798.489	3779354.898	520.11
LOCATION	L0005089	VOLUME	459798.487	3779359.898	520.22
LOCATION	L0005090	VOLUME	459798.485	3779364.898	520.33
LOCATION	L0005091	VOLUME	459798.483	3779369.898	520.44
LOCATION	L0005092	VOLUME	459798.481	3779374.898	520.56
LOCATION	L0005093	VOLUME	459798.479	3779379.898	520.67
LOCATION	L0005094	VOLUME	459798.477	3779384.898	520.79
LOCATION	L0005095	VOLUME	459798.475	3779389.898	520.93
LOCATION	L0005096	VOLUME	459798.473	3779394.898	521.06
LOCATION	L0005097	VOLUME	459798.471	3779399.898	521.19
LOCATION	L0005098	VOLUME	459798.469	3779404.898	521.32
LOCATION	L0005099	VOLUME	459798.467	3779409.898	521.45
LOCATION	L0005100	VOLUME	459798.465	3779414.898	521.59
LOCATION	L0005101	VOLUME	459798.463	3779419.898	521.72
LOCATION	L0005102	VOLUME	459798.461	3779424.898	521.86
LOCATION	L0005103	VOLUME	459798.459	3779429.898	521.99
LOCATION	L0005104	VOLUME	459798.457	3779434.898	522.13
LOCATION	L0005105	VOLUME	459798.455	3779439.898	522.27

LOCATION	L0005106	VOLUME	459798.453	3779444.898	522.41
LOCATION	L0005107	VOLUME	459798.451	3779449.898	522.55
LOCATION	L0005108	VOLUME	459798.449	3779454.898	522.70
LOCATION	L0005109	VOLUME	459798.447	3779459.898	522.84
LOCATION	L0005110	VOLUME	459798.445	3779464.898	522.99
LOCATION	L0005111	VOLUME	459798.443	3779469.898	523.13
LOCATION	L0005112	VOLUME	459798.441	3779474.898	523.28
LOCATION	L0005113	VOLUME	459798.439	3779479.898	523.42
LOCATION	L0005114	VOLUME	459798.437	3779484.898	523.55
LOCATION	L0005115	VOLUME	459798.435	3779489.898	523.69
LOCATION	L0005116	VOLUME	459798.433	3779494.898	523.83
LOCATION	L0005117	VOLUME	459798.431	3779499.898	523.97
LOCATION	L0005118	VOLUME	459798.429	3779504.898	524.11
LOCATION	L0005119	VOLUME	459798.427	3779509.898	524.25
LOCATION	L0005120	VOLUME	459798.425	3779514.898	524.39
LOCATION	L0005121	VOLUME	459798.423	3779519.898	524.53
LOCATION	L0005122	VOLUME	459798.421	3779524.898	524.67
LOCATION	L0005123	VOLUME	459798.419	3779529.898	524.81
LOCATION	L0005124	VOLUME	459798.417	3779534.898	524.95
LOCATION	L0005125	VOLUME	459798.415	3779539.898	525.09
LOCATION	L0005126	VOLUME	459798.413	3779544.898	525.24
LOCATION	L0005127	VOLUME	459798.411	3779549.898	525.38
LOCATION	L0005128	VOLUME	459798.409	3779554.898	525.53
LOCATION	L0005129	VOLUME	459798.407	3779559.898	525.67
LOCATION	L0005130	VOLUME	459798.405	3779564.898	525.82
LOCATION	L0005131	VOLUME	459798.403	3779569.898	525.96
LOCATION	L0005132	VOLUME	459798.401	3779574.898	526.11
LOCATION	L0005133	VOLUME	459798.399	3779579.898	526.25
LOCATION	L0005134	VOLUME	459798.397	3779584.898	526.40
LOCATION	L0005135	VOLUME	459798.395	3779589.898	526.54
LOCATION	L0005136	VOLUME	459798.393	3779594.898	526.68
LOCATION	L0005137	VOLUME	459798.391	3779599.898	526.83
LOCATION	L0005138	VOLUME	459798.389	3779604.898	526.98
LOCATION	L0005139	VOLUME	459798.387	3779609.898	527.13
LOCATION	L0005140	VOLUME	459798.385	3779614.898	527.29
LOCATION	L0005141	VOLUME	459798.383	3779619.898	527.44
LOCATION	L0005142	VOLUME	459798.381	3779624.898	527.59
LOCATION	L0005143	VOLUME	459798.379	3779629.898	527.74
LOCATION	L0005144	VOLUME	459798.377	3779634.898	527.90
LOCATION	L0005145	VOLUME	459798.375	3779639.898	528.06
LOCATION	L0005146	VOLUME	459798.373	3779644.898	528.22
LOCATION	L0005147	VOLUME	459798.371	3779649.898	528.38
LOCATION	L0005148	VOLUME	459798.369	3779654.898	528.54
LOCATION	L0005149	VOLUME	459798.367	3779659.898	528.70
LOCATION	L0005150	VOLUME	459798.365	3779664.898	528.86
LOCATION	L0005151	VOLUME	459798.363	3779669.898	529.02
LOCATION	L0005152	VOLUME	459798.361	3779674.898	529.19
LOCATION	L0005153	VOLUME	459798.359	3779679.898	529.35

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   LOCATION L0005154     VOLUME   459798.357 3779684.898 529.52
   LOCATION L0005155     VOLUME   459798.355 3779689.898 529.68
   LOCATION L0005156     VOLUME   459798.353 3779694.898 529.84
   LOCATION L0005157     VOLUME   459798.351 3779699.898 530.01
   LOCATION L0005158     VOLUME   459798.349 3779704.898 530.17
   LOCATION L0005159     VOLUME   459798.347 3779709.898 530.33
   LOCATION L0005160     VOLUME   459798.345 3779714.898 530.49
   LOCATION L0005161     VOLUME   459798.343 3779719.898 530.66
   LOCATION L0005162     VOLUME   459798.341 3779724.898 530.80
   LOCATION L0005163     VOLUME   459798.339 3779729.898 530.93
   LOCATION L0005164     VOLUME   459798.337 3779734.898 531.07
   LOCATION L0005165     VOLUME   459798.335 3779739.898 531.20
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Casa Grande - to W Driveway
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 6.82E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459801.241, 3779743.383, 531.30, 3.70, 2.33
** 459898.250, 3779742.782, 531.23, 3.70, 2.33
** ----------------------------------------------------------------------
   LOCATION L0005166     VOLUME   459803.741 3779743.367 531.29
   LOCATION L0005167     VOLUME   459808.741 3779743.337 531.29
   LOCATION L0005168     VOLUME   459813.741 3779743.306 531.28
   LOCATION L0005169     VOLUME   459818.741 3779743.275 531.31
   LOCATION L0005170     VOLUME   459823.741 3779743.244 531.34
   LOCATION L0005171     VOLUME   459828.741 3779743.213 531.37
   LOCATION L0005172     VOLUME   459833.741 3779743.182 531.40
   LOCATION L0005173     VOLUME   459838.741 3779743.151 531.43
   LOCATION L0005174     VOLUME   459843.741 3779743.120 531.39
   LOCATION L0005175     VOLUME   459848.741 3779743.089 531.35
   LOCATION L0005176     VOLUME   459853.740 3779743.058 531.31
   LOCATION L0005177     VOLUME   459858.740 3779743.027 531.27
   LOCATION L0005178     VOLUME   459863.740 3779742.996 531.23
   LOCATION L0005179     VOLUME   459868.740 3779742.965 531.21
   LOCATION L0005180     VOLUME   459873.740 3779742.934 531.20
   LOCATION L0005181     VOLUME   459878.740 3779742.903 531.19
   LOCATION L0005182     VOLUME   459883.740 3779742.872 531.17
   LOCATION L0005183     VOLUME   459888.740 3779742.841 531.16
   LOCATION L0005184     VOLUME   459893.740 3779742.810 531.18
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Casa Grande - W Driveway to E Driveway
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 6.88E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459895.547, 3779743.108, 531.26, 3.70, 2.33
** 460091.098, 3779742.189, 530.62, 3.70, 2.33
** ----------------------------------------------------------------------
   LOCATION L0005185     VOLUME   459898.047 3779743.096 531.21
   LOCATION L0005186     VOLUME   459903.047 3779743.073 531.24
   LOCATION L0005187     VOLUME   459908.046 3779743.049 531.27
   LOCATION L0005188     VOLUME   459913.046 3779743.026 531.30
   LOCATION L0005189     VOLUME   459918.046 3779743.002 531.32
   LOCATION L0005190     VOLUME   459923.046 3779742.979 531.33
   LOCATION L0005191     VOLUME   459928.046 3779742.955 531.33
   LOCATION L0005192     VOLUME   459933.046 3779742.932 531.34
   LOCATION L0005193     VOLUME   459938.046 3779742.908 531.35
   LOCATION L0005194     VOLUME   459943.046 3779742.885 531.36
   LOCATION L0005195     VOLUME   459948.046 3779742.861 531.37
   LOCATION L0005196     VOLUME   459953.046 3779742.838 531.38
   LOCATION L0005197     VOLUME   459958.046 3779742.814 531.39
   LOCATION L0005198     VOLUME   459963.046 3779742.791 531.40
   LOCATION L0005199     VOLUME   459968.046 3779742.767 531.42
   LOCATION L0005200     VOLUME   459973.046 3779742.744 531.42
   LOCATION L0005201     VOLUME   459978.046 3779742.720 531.43
   LOCATION L0005202     VOLUME   459983.046 3779742.697 531.44
   LOCATION L0005203     VOLUME   459988.046 3779742.673 531.44
   LOCATION L0005204     VOLUME   459993.046 3779742.650 531.45
   LOCATION L0005205     VOLUME   459998.045 3779742.626 531.43
   LOCATION L0005206     VOLUME   460003.045 3779742.603 531.42
   LOCATION L0005207     VOLUME   460008.045 3779742.579 531.41
   LOCATION L0005208     VOLUME   460013.045 3779742.556 531.39
   LOCATION L0005209     VOLUME   460018.045 3779742.532 531.38
   LOCATION L0005210     VOLUME   460023.045 3779742.509 531.35
   LOCATION L0005211     VOLUME   460028.045 3779742.485 531.33
   LOCATION L0005212     VOLUME   460033.045 3779742.462 531.30
   LOCATION L0005213     VOLUME   460038.045 3779742.438 531.27
   LOCATION L0005214     VOLUME   460043.045 3779742.415 531.25
   LOCATION L0005215     VOLUME   460048.045 3779742.391 531.19
   LOCATION L0005216     VOLUME   460053.045 3779742.368 531.14
   LOCATION L0005217     VOLUME   460058.045 3779742.345 531.08
   LOCATION L0005218     VOLUME   460063.045 3779742.321 531.02
   LOCATION L0005219     VOLUME   460068.045 3779742.298 530.96
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   LOCATION L0005220     VOLUME   460073.045 3779742.274 530.88
   LOCATION L0005221     VOLUME   460078.045 3779742.251 530.80
   LOCATION L0005222     VOLUME   460083.045 3779742.227 530.71
   LOCATION L0005223     VOLUME   460088.044 3779742.204 530.63
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC W Driveway Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.29E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459893.712, 3779746.170, 531.35, 3.70, 1.67
** 459893.731, 3779794.306, 532.16, 3.70, 1.67
** ----------------------------------------------------------------------
   LOCATION L0005224     VOLUME   459893.713 3779747.970 531.33
   LOCATION L0005225     VOLUME   459893.714 3779751.570 531.43
   LOCATION L0005226     VOLUME   459893.715 3779755.170 531.52
   LOCATION L0005227     VOLUME   459893.717 3779758.770 531.61
   LOCATION L0005228     VOLUME   459893.718 3779762.370 531.70
   LOCATION L0005229     VOLUME   459893.720 3779765.970 531.79
   LOCATION L0005230     VOLUME   459893.721 3779769.570 531.88
   LOCATION L0005231     VOLUME   459893.722 3779773.170 531.97
   LOCATION L0005232     VOLUME   459893.724 3779776.770 532.06
   LOCATION L0005233     VOLUME   459893.725 3779780.370 532.15
   LOCATION L0005234     VOLUME   459893.727 3779783.970 532.24
   LOCATION L0005235     VOLUME   459893.728 3779787.570 532.34
   LOCATION L0005236     VOLUME   459893.729 3779791.170 532.43
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC E Driveway Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 2.17E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 460090.758, 3779744.694, 530.67, 3.70, 1.67
** 460090.095, 3779762.221, 530.94, 3.70, 1.67
** 460086.997, 3779781.927, 531.44, 3.70, 1.67
** 460077.401, 3779792.244, 531.53, 3.70, 1.67
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** 460067.742, 3779796.355, 531.63, 3.70, 1.67
** 460060.925, 3779797.620, 531.67, 3.70, 1.67
** 460048.929, 3779798.445, 531.87, 3.70, 1.67
** ----------------------------------------------------------------------
   LOCATION L0005237     VOLUME   460090.690 3779746.493 530.70
   LOCATION L0005238     VOLUME   460090.554 3779750.091 530.79
   LOCATION L0005239     VOLUME   460090.418 3779753.688 530.87
   LOCATION L0005240     VOLUME   460090.282 3779757.285 530.95
   LOCATION L0005241     VOLUME   460090.146 3779760.883 531.03
   LOCATION L0005242     VOLUME   460089.744 3779764.454 531.11
   LOCATION L0005243     VOLUME   460089.185 3779768.011 531.20
   LOCATION L0005244     VOLUME   460088.626 3779771.567 531.28
   LOCATION L0005245     VOLUME   460088.067 3779775.123 531.36
   LOCATION L0005246     VOLUME   460087.507 3779778.680 531.44
   LOCATION L0005247     VOLUME   460086.784 3779782.156 531.53
   LOCATION L0005248     VOLUME   460084.332 3779784.792 531.62
   LOCATION L0005249     VOLUME   460081.880 3779787.428 531.70
   LOCATION L0005250     VOLUME   460079.428 3779790.064 531.79
   LOCATION L0005251     VOLUME   460076.828 3779792.488 531.86
   LOCATION L0005252     VOLUME   460073.515 3779793.898 531.92
   LOCATION L0005253     VOLUME   460070.203 3779795.307 531.96
   LOCATION L0005254     VOLUME   460066.832 3779796.524 532.02
   LOCATION L0005255     VOLUME   460063.292 3779797.180 532.07
   LOCATION L0005256     VOLUME   460059.735 3779797.701 532.12
   LOCATION L0005257     VOLUME   460056.144 3779797.949 532.16
   LOCATION L0005258     VOLUME   460052.552 3779798.196 532.20
   LOCATION L0005259     VOLUME   460048.961 3779798.443 532.24
** End of LINE VOLUME Source ID = SLINE6
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-SIte Idling
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.0E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459885.360, 3779829.471, 533.66, 3.70, 1.67
** 460051.862, 3779828.472, 533.05, 3.70, 1.67
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   LOCATION L0005260     VOLUME   459887.160 3779829.461 533.51
   LOCATION L0005261     VOLUME   459890.760 3779829.439 533.52
   LOCATION L0005262     VOLUME   459894.360 3779829.417 533.55
   LOCATION L0005263     VOLUME   459897.960 3779829.396 533.58
   LOCATION L0005264     VOLUME   459901.560 3779829.374 533.61
   LOCATION L0005265     VOLUME   459905.160 3779829.352 533.65
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   LOCATION L0005267     VOLUME   459912.360 3779829.309 533.71
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   LOCATION L0005269     VOLUME   459919.560 3779829.266 533.74
   LOCATION L0005270     VOLUME   459923.159 3779829.244 533.74
   LOCATION L0005271     VOLUME   459926.759 3779829.223 533.74
   LOCATION L0005272     VOLUME   459930.359 3779829.201 533.74
   LOCATION L0005273     VOLUME   459933.959 3779829.180 533.74
   LOCATION L0005274     VOLUME   459937.559 3779829.158 533.74
   LOCATION L0005275     VOLUME   459941.159 3779829.136 533.74
   LOCATION L0005276     VOLUME   459944.759 3779829.115 533.73
   LOCATION L0005277     VOLUME   459948.359 3779829.093 533.73
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   LOCATION L0005280     VOLUME   459959.159 3779829.028 533.71
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   LOCATION L0005284     VOLUME   459973.559 3779828.942 533.68
   LOCATION L0005285     VOLUME   459977.159 3779828.920 533.67
   LOCATION L0005286     VOLUME   459980.758 3779828.899 533.66
   LOCATION L0005287     VOLUME   459984.358 3779828.877 533.66
   LOCATION L0005288     VOLUME   459987.958 3779828.855 533.65
   LOCATION L0005289     VOLUME   459991.558 3779828.834 533.64
   LOCATION L0005290     VOLUME   459995.158 3779828.812 533.62
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   LOCATION L0005302     VOLUME   460038.357 3779828.553 533.04
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SRCPARAM	L0004984	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0004985	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0004986	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0004987	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0004988	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0004990	0.0000002611	3.70	2.33	2.89

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SRCPARAM	L0004992	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005003	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005004	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005005	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005006	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005007	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005008	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005009	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005010	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005011	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005012	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005013	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005014	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005015	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005016	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005018	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005019	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005063	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005065	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005066	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005067	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005069	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005081	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005082	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005083	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005096	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005099	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005100	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005102	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005110	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005119	0.0000002611	3.70	2.33	2.89
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SRCPARAM	L0005127	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005128	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005129	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005130	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005131	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005132	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005133	0.0000002611	3.70	2.33	2.89
SRCPARAM	L0005134	0.0000002611	3.70	2.33	2.89

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   SRCPARAM L0005135     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005136     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005137     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005138     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005139     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005140     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005141     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005142     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005143     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005144     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005145     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005146     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005147     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005148     0.0000002611      3.70      2.33      2.89
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   SRCPARAM L0005151     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005152     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005153     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005154     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005155     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005156     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005157     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005158     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005159     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005160     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005161     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005162     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005163     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005164     0.0000002611      3.70      2.33      2.89
   SRCPARAM L0005165     0.0000002611      3.70      2.33      2.89
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** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0005166     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005167     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005168     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005169     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005170     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005171     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005172     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005173     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005174     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005175     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005176     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005177     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005178     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005179     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005180     0.0000003589      3.70      2.33      2.89
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   SRCPARAM L0005181     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005182     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005183     0.0000003589      3.70      2.33      2.89
   SRCPARAM L0005184     0.0000003589      3.70      2.33      2.89
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** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0005185     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005186     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005187     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005188     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005189     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005190     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005191     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005192     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005193     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005194     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005195     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005196     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005197     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005198     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005199     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005200     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005201     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005202     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005203     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005204     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005205     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005206     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005207     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005208     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005209     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005210     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005211     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005212     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005213     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005214     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005215     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005216     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005217     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005218     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005219     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005220     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005221     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005222     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005223     0.0000001764      3.70      2.33      2.89
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** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0005224     0.00000009923      3.70      1.67      2.89
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   SRCPARAM L0005225     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005226     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005227     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005228     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005229     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005230     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005231     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005232     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005233     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005234     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005235     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005236     0.00000009923      3.70      1.67      2.89
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** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0005237     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005238     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005239     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005240     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005241     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005242     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005243     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005244     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005245     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005246     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005247     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005248     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005249     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005250     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005251     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005252     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005253     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005254     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005255     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005256     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005257     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005258     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005259     0.00000009435      3.70      1.67      2.89
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0005260     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005261     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005262     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005263     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005264     0.0000001739      3.70      1.67      2.89
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   SRCPARAM L0005268     0.0000001739      3.70      1.67      2.89
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   SRCPARAM L0005279     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005280     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005281     0.0000001739      3.70      1.67      2.89
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   SRCPARAM L0005299     0.0000001739      3.70      1.67      2.89
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   SRCPARAM L0005304     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005305     0.0000001739      3.70      1.67      2.89
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   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
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**
RE STARTING
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   INCLUDED "Fontana_Sierra Casa Grande.rou"
RE FINISHED
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** AERMOD Meteorology Pathway
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**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
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** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Fontana_Sierra Casa Grande.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "Fontana_Sierra Casa Grande.AD\24H1GALL.PLT" 32
   PLOTFILE ANNUAL ALL "Fontana_Sierra Casa Grande.AD\AN00GALL.PLT" 33
   SUMMFILE "Fontana_Sierra Casa Grande.sum"
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 5/27/2020
** File: C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande_rev\Fontana_Sierra Casa
Grande.ADI
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** AERMOD Control Pathway
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   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Fontana_Sierra Casa Grande.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. **
** ---------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Sierra Avenue - I-15 to Casa Grande
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 0.0000151
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 9
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** 459798.902, 3781556.366, 587.51, 3.70, 2.33
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** 459798.397, 3779743.913, 531.36, 3.70, 2.33
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   LOCATION L0004173     VOLUME   459762.769 3782344.062 609.60
   LOCATION L0004174     VOLUME   459764.702 3782339.451 609.08
   LOCATION L0004175     VOLUME   459766.636 3782334.840 608.73
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   LOCATION L0004177     VOLUME   459770.503 3782325.618 607.93
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   LOCATION L0004183     VOLUME   459782.105 3782297.952 606.18
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   LOCATION L0004188     VOLUME   459787.634 3782273.667 605.16
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LOCATION	L0004379	VOLUME	459801.147	3781319.728	578.30
LOCATION	L0004380	VOLUME	459801.195	3781314.728	578.09
LOCATION	L0004381	VOLUME	459801.242	3781309.729	577.87
LOCATION	L0004382	VOLUME	459801.290	3781304.729	577.65
LOCATION	L0004383	VOLUME	459801.337	3781299.729	577.44
LOCATION	L0004384	VOLUME	459801.385	3781294.729	577.22
LOCATION	L0004385	VOLUME	459801.432	3781289.730	577.03
LOCATION	L0004386	VOLUME	459801.479	3781284.730	576.88
LOCATION	L0004387	VOLUME	459801.527	3781279.730	576.73
LOCATION	L0004388	VOLUME	459801.574	3781274.730	576.58
LOCATION	L0004389	VOLUME	459801.622	3781269.730	576.43
LOCATION	L0004390	VOLUME	459801.669	3781264.731	576.28
LOCATION	L0004391	VOLUME	459801.717	3781259.731	576.14
LOCATION	L0004392	VOLUME	459801.764	3781254.731	576.02
LOCATION	L0004393	VOLUME	459801.812	3781249.731	575.90
LOCATION	L0004394	VOLUME	459801.859	3781244.732	575.78
LOCATION	L0004395	VOLUME	459801.907	3781239.732	575.67
LOCATION	L0004396	VOLUME	459801.954	3781234.732	575.55
LOCATION	L0004397	VOLUME	459802.001	3781229.732	575.43
LOCATION	L0004398	VOLUME	459802.049	3781224.732	575.32
LOCATION	L0004399	VOLUME	459802.096	3781219.733	575.22
LOCATION	L0004400	VOLUME	459802.144	3781214.733	575.11
LOCATION	L0004401	VOLUME	459802.191	3781209.733	575.00
LOCATION	L0004402	VOLUME	459802.239	3781204.733	574.90

LOCATION	L0004403	VOLUME	459802.286	3781199.734	574.79
LOCATION	L0004404	VOLUME	459802.334	3781194.734	574.70
LOCATION	L0004405	VOLUME	459802.381	3781189.734	574.61
LOCATION	L0004406	VOLUME	459802.428	3781184.734	574.52
LOCATION	L0004407	VOLUME	459802.476	3781179.734	574.42
LOCATION	L0004408	VOLUME	459802.523	3781174.735	574.33
LOCATION	L0004409	VOLUME	459802.571	3781169.735	574.24
LOCATION	L0004410	VOLUME	459802.618	3781164.735	574.14
LOCATION	L0004411	VOLUME	459802.666	3781159.735	574.04
LOCATION	L0004412	VOLUME	459802.713	3781154.736	573.94
LOCATION	L0004413	VOLUME	459802.761	3781149.736	573.84
LOCATION	L0004414	VOLUME	459802.808	3781144.736	573.73
LOCATION	L0004415	VOLUME	459802.855	3781139.736	573.63
LOCATION	L0004416	VOLUME	459802.903	3781134.736	573.51
LOCATION	L0004417	VOLUME	459802.950	3781129.737	573.38
LOCATION	L0004418	VOLUME	459802.998	3781124.737	573.25
LOCATION	L0004419	VOLUME	459803.045	3781119.737	573.11
LOCATION	L0004420	VOLUME	459803.093	3781114.737	572.98
LOCATION	L0004421	VOLUME	459803.140	3781109.738	572.85
LOCATION	L0004422	VOLUME	459803.188	3781104.738	572.70
LOCATION	L0004423	VOLUME	459803.235	3781099.738	572.53
LOCATION	L0004424	VOLUME	459803.282	3781094.738	572.37
LOCATION	L0004425	VOLUME	459803.330	3781089.739	572.20
LOCATION	L0004426	VOLUME	459803.377	3781084.739	572.03
LOCATION	L0004427	VOLUME	459803.425	3781079.739	571.87
LOCATION	L0004428	VOLUME	459803.472	3781074.739	571.70
LOCATION	L0004429	VOLUME	459803.520	3781069.739	571.52
LOCATION	L0004430	VOLUME	459803.567	3781064.740	571.34
LOCATION	L0004431	VOLUME	459803.615	3781059.740	571.16
LOCATION	L0004432	VOLUME	459803.662	3781054.740	570.99
LOCATION	L0004433	VOLUME	459803.710	3781049.740	570.81
LOCATION	L0004434	VOLUME	459803.757	3781044.741	570.63
LOCATION	L0004435	VOLUME	459803.804	3781039.741	570.47
LOCATION	L0004436	VOLUME	459803.852	3781034.741	570.30
LOCATION	L0004437	VOLUME	459803.899	3781029.741	570.14
LOCATION	L0004438	VOLUME	459803.947	3781024.741	569.98
LOCATION	L0004439	VOLUME	459803.994	3781019.742	569.82
LOCATION	L0004440	VOLUME	459804.042	3781014.742	569.65
LOCATION	L0004441	VOLUME	459804.089	3781009.742	569.50
LOCATION	L0004442	VOLUME	459804.137	3781004.742	569.35
LOCATION	L0004443	VOLUME	459804.184	3780999.743	569.19
LOCATION	L0004444	VOLUME	459804.231	3780994.743	569.04
LOCATION	L0004445	VOLUME	459804.279	3780989.743	568.89
LOCATION	L0004446	VOLUME	459804.326	3780984.743	568.74
LOCATION	L0004447	VOLUME	459804.374	3780979.743	568.56
LOCATION	L0004448	VOLUME	459804.421	3780974.744	568.37
LOCATION	L0004449	VOLUME	459804.469	3780969.744	568.18
LOCATION	L0004450	VOLUME	459804.516	3780964.744	568.00

LOCATION	L0004451	VOLUME	459804.564	3780959.744	567.81
LOCATION	L0004452	VOLUME	459804.611	3780954.745	567.62
LOCATION	L0004453	VOLUME	459804.658	3780949.745	567.44
LOCATION	L0004454	VOLUME	459804.706	3780944.745	567.27
LOCATION	L0004455	VOLUME	459804.753	3780939.745	567.10
LOCATION	L0004456	VOLUME	459804.801	3780934.745	566.92
LOCATION	L0004457	VOLUME	459804.848	3780929.746	566.75
LOCATION	L0004458	VOLUME	459804.896	3780924.746	566.57
LOCATION	L0004459	VOLUME	459804.943	3780919.746	566.41
LOCATION	L0004460	VOLUME	459804.991	3780914.746	566.26
LOCATION	L0004461	VOLUME	459805.038	3780909.747	566.12
LOCATION	L0004462	VOLUME	459805.085	3780904.747	565.97
LOCATION	L0004463	VOLUME	459805.133	3780899.747	565.83
LOCATION	L0004464	VOLUME	459805.180	3780894.747	565.68
LOCATION	L0004465	VOLUME	459805.228	3780889.748	565.53
LOCATION	L0004466	VOLUME	459805.275	3780884.748	565.38
LOCATION	L0004467	VOLUME	459805.323	3780879.748	565.23
LOCATION	L0004468	VOLUME	459805.370	3780874.748	565.08
LOCATION	L0004469	VOLUME	459805.418	3780869.748	564.94
LOCATION	L0004470	VOLUME	459805.465	3780864.749	564.79
LOCATION	L0004471	VOLUME	459805.513	3780859.749	564.64
LOCATION	L0004472	VOLUME	459805.560	3780854.749	564.49
LOCATION	L0004473	VOLUME	459805.607	3780849.749	564.34
LOCATION	L0004474	VOLUME	459805.655	3780844.750	564.19
LOCATION	L0004475	VOLUME	459805.702	3780839.750	564.04
LOCATION	L0004476	VOLUME	459805.750	3780834.750	563.90
LOCATION	L0004477	VOLUME	459805.797	3780829.750	563.75
LOCATION	L0004478	VOLUME	459805.845	3780824.750	563.60
LOCATION	L0004479	VOLUME	459805.892	3780819.751	563.44
LOCATION	L0004480	VOLUME	459805.940	3780814.751	563.29
LOCATION	L0004481	VOLUME	459805.987	3780809.751	563.14
LOCATION	L0004482	VOLUME	459806.034	3780804.751	562.99
LOCATION	L0004483	VOLUME	459806.082	3780799.752	562.84
LOCATION	L0004484	VOLUME	459806.129	3780794.752	562.68
LOCATION	L0004485	VOLUME	459806.177	3780789.752	562.53
LOCATION	L0004486	VOLUME	459806.224	3780784.752	562.37
LOCATION	L0004487	VOLUME	459806.272	3780779.752	562.21
LOCATION	L0004488	VOLUME	459806.319	3780774.753	562.06
LOCATION	L0004489	VOLUME	459806.312	3780769.753	561.90
LOCATION	L0004490	VOLUME	459806.274	3780764.753	561.74
LOCATION	L0004491	VOLUME	459806.235	3780759.753	561.58
LOCATION	L0004492	VOLUME	459806.197	3780754.753	561.41
LOCATION	L0004493	VOLUME	459806.158	3780749.753	561.25
LOCATION	L0004494	VOLUME	459806.119	3780744.754	561.09
LOCATION	L0004495	VOLUME	459806.081	3780739.754	560.92
LOCATION	L0004496	VOLUME	459806.042	3780734.754	560.75
LOCATION	L0004497	VOLUME	459806.004	3780729.754	560.58
LOCATION	L0004498	VOLUME	459805.965	3780724.754	560.40

LOCATION	L0004499	VOLUME	459805.927	3780719.754	560.23
LOCATION	L0004500	VOLUME	459805.888	3780714.755	560.06
LOCATION	L0004501	VOLUME	459805.849	3780709.755	559.88
LOCATION	L0004502	VOLUME	459805.811	3780704.755	559.71
LOCATION	L0004503	VOLUME	459805.772	3780699.755	559.55
LOCATION	L0004504	VOLUME	459805.734	3780694.755	559.39
LOCATION	L0004505	VOLUME	459805.695	3780689.755	559.23
LOCATION	L0004506	VOLUME	459805.656	3780684.755	559.06
LOCATION	L0004507	VOLUME	459805.618	3780679.756	558.90
LOCATION	L0004508	VOLUME	459805.579	3780674.756	558.74
LOCATION	L0004509	VOLUME	459805.541	3780669.756	558.58
LOCATION	L0004510	VOLUME	459805.502	3780664.756	558.42
LOCATION	L0004511	VOLUME	459805.464	3780659.756	558.26
LOCATION	L0004512	VOLUME	459805.425	3780654.756	558.10
LOCATION	L0004513	VOLUME	459805.386	3780649.756	557.94
LOCATION	L0004514	VOLUME	459805.348	3780644.757	557.78
LOCATION	L0004515	VOLUME	459805.309	3780639.757	557.58
LOCATION	L0004516	VOLUME	459805.271	3780634.757	557.38
LOCATION	L0004517	VOLUME	459805.232	3780629.757	557.18
LOCATION	L0004518	VOLUME	459805.194	3780624.757	556.98
LOCATION	L0004519	VOLUME	459805.155	3780619.757	556.78
LOCATION	L0004520	VOLUME	459805.116	3780614.757	556.58
LOCATION	L0004521	VOLUME	459805.078	3780609.758	556.41
LOCATION	L0004522	VOLUME	459805.039	3780604.758	556.25
LOCATION	L0004523	VOLUME	459805.001	3780599.758	556.09
LOCATION	L0004524	VOLUME	459804.962	3780594.758	555.93
LOCATION	L0004525	VOLUME	459804.923	3780589.758	555.77
LOCATION	L0004526	VOLUME	459804.885	3780584.758	555.60
LOCATION	L0004527	VOLUME	459804.846	3780579.759	555.45
LOCATION	L0004528	VOLUME	459804.808	3780574.759	555.29
LOCATION	L0004529	VOLUME	459804.769	3780569.759	555.13
LOCATION	L0004530	VOLUME	459804.731	3780564.759	554.97
LOCATION	L0004531	VOLUME	459804.692	3780559.759	554.81
LOCATION	L0004532	VOLUME	459804.653	3780554.759	554.65
LOCATION	L0004533	VOLUME	459804.615	3780549.759	554.50
LOCATION	L0004534	VOLUME	459804.576	3780544.760	554.37
LOCATION	L0004535	VOLUME	459804.538	3780539.760	554.23
LOCATION	L0004536	VOLUME	459804.499	3780534.760	554.10
LOCATION	L0004537	VOLUME	459804.461	3780529.760	553.96
LOCATION	L0004538	VOLUME	459804.422	3780524.760	553.83
LOCATION	L0004539	VOLUME	459804.383	3780519.760	553.70
LOCATION	L0004540	VOLUME	459804.345	3780514.760	553.58
LOCATION	L0004541	VOLUME	459804.306	3780509.761	553.46
LOCATION	L0004542	VOLUME	459804.268	3780504.761	553.34
LOCATION	L0004543	VOLUME	459804.229	3780499.761	553.23
LOCATION	L0004544	VOLUME	459804.190	3780494.761	553.11
LOCATION	L0004545	VOLUME	459804.152	3780489.761	552.98
LOCATION	L0004546	VOLUME	459804.113	3780484.761	552.84

LOCATION	L0004547	VOLUME	459804.075	3780479.762	552.70
LOCATION	L0004548	VOLUME	459804.036	3780474.762	552.55
LOCATION	L0004549	VOLUME	459803.998	3780469.762	552.41
LOCATION	L0004550	VOLUME	459803.959	3780464.762	552.27
LOCATION	L0004551	VOLUME	459803.920	3780459.762	552.12
LOCATION	L0004552	VOLUME	459803.882	3780454.762	551.98
LOCATION	L0004553	VOLUME	459803.843	3780449.762	551.84
LOCATION	L0004554	VOLUME	459803.805	3780444.763	551.69
LOCATION	L0004555	VOLUME	459803.766	3780439.763	551.55
LOCATION	L0004556	VOLUME	459803.728	3780434.763	551.41
LOCATION	L0004557	VOLUME	459803.689	3780429.763	551.26
LOCATION	L0004558	VOLUME	459803.650	3780424.763	551.11
LOCATION	L0004559	VOLUME	459803.612	3780419.763	550.96
LOCATION	L0004560	VOLUME	459803.573	3780414.763	550.81
LOCATION	L0004561	VOLUME	459803.535	3780409.764	550.66
LOCATION	L0004562	VOLUME	459803.496	3780404.764	550.50
LOCATION	L0004563	VOLUME	459803.457	3780399.764	550.35
LOCATION	L0004564	VOLUME	459803.419	3780394.764	550.19
LOCATION	L0004565	VOLUME	459803.380	3780389.764	550.04
LOCATION	L0004566	VOLUME	459803.342	3780384.764	549.88
LOCATION	L0004567	VOLUME	459803.303	3780379.764	549.72
LOCATION	L0004568	VOLUME	459803.265	3780374.765	549.56
LOCATION	L0004569	VOLUME	459803.226	3780369.765	549.40
LOCATION	L0004570	VOLUME	459803.187	3780364.765	549.26
LOCATION	L0004571	VOLUME	459803.149	3780359.765	549.12
LOCATION	L0004572	VOLUME	459803.110	3780354.765	548.98
LOCATION	L0004573	VOLUME	459803.072	3780349.765	548.85
LOCATION	L0004574	VOLUME	459803.033	3780344.766	548.71
LOCATION	L0004575	VOLUME	459802.995	3780339.766	548.57
LOCATION	L0004576	VOLUME	459802.956	3780334.766	548.44
LOCATION	L0004577	VOLUME	459802.917	3780329.766	548.30
LOCATION	L0004578	VOLUME	459802.879	3780324.766	548.17
LOCATION	L0004579	VOLUME	459802.840	3780319.766	548.04
LOCATION	L0004580	VOLUME	459802.802	3780314.766	547.91
LOCATION	L0004581	VOLUME	459802.763	3780309.767	547.78
LOCATION	L0004582	VOLUME	459802.724	3780304.767	547.65
LOCATION	L0004583	VOLUME	459802.686	3780299.767	547.51
LOCATION	L0004584	VOLUME	459802.647	3780294.767	547.37
LOCATION	L0004585	VOLUME	459802.609	3780289.767	547.24
LOCATION	L0004586	VOLUME	459802.570	3780284.767	547.10
LOCATION	L0004587	VOLUME	459802.532	3780279.767	546.97
LOCATION	L0004588	VOLUME	459802.493	3780274.768	546.83
LOCATION	L0004589	VOLUME	459802.454	3780269.768	546.70
LOCATION	L0004590	VOLUME	459802.416	3780264.768	546.56
LOCATION	L0004591	VOLUME	459802.377	3780259.768	546.42
LOCATION	L0004592	VOLUME	459802.339	3780254.768	546.29
LOCATION	L0004593	VOLUME	459802.300	3780249.768	546.15
LOCATION	L0004594	VOLUME	459802.262	3780244.769	546.01

LOCATION	L0004595	VOLUME	459802.223	3780239.769	545.88
LOCATION	L0004596	VOLUME	459802.184	3780234.769	545.74
LOCATION	L0004597	VOLUME	459802.146	3780229.769	545.61
LOCATION	L0004598	VOLUME	459802.107	3780224.769	545.48
LOCATION	L0004599	VOLUME	459802.069	3780219.769	545.34
LOCATION	L0004600	VOLUME	459802.030	3780214.769	545.21
LOCATION	L0004601	VOLUME	459801.991	3780209.770	545.06
LOCATION	L0004602	VOLUME	459801.953	3780204.770	544.92
LOCATION	L0004603	VOLUME	459801.914	3780199.770	544.77
LOCATION	L0004604	VOLUME	459801.876	3780194.770	544.62
LOCATION	L0004605	VOLUME	459801.837	3780189.770	544.48
LOCATION	L0004606	VOLUME	459801.799	3780184.770	544.33
LOCATION	L0004607	VOLUME	459801.760	3780179.770	544.18
LOCATION	L0004608	VOLUME	459801.721	3780174.771	544.03
LOCATION	L0004609	VOLUME	459801.683	3780169.771	543.88
LOCATION	L0004610	VOLUME	459801.644	3780164.771	543.73
LOCATION	L0004611	VOLUME	459801.606	3780159.771	543.58
LOCATION	L0004612	VOLUME	459801.567	3780154.771	543.44
LOCATION	L0004613	VOLUME	459801.529	3780149.771	543.28
LOCATION	L0004614	VOLUME	459801.490	3780144.771	543.13
LOCATION	L0004615	VOLUME	459801.451	3780139.772	542.97
LOCATION	L0004616	VOLUME	459801.413	3780134.772	542.81
LOCATION	L0004617	VOLUME	459801.374	3780129.772	542.65
LOCATION	L0004618	VOLUME	459801.336	3780124.772	542.50
LOCATION	L0004619	VOLUME	459801.297	3780119.772	542.33
LOCATION	L0004620	VOLUME	459801.258	3780114.772	542.16
LOCATION	L0004621	VOLUME	459801.220	3780109.773	541.99
LOCATION	L0004622	VOLUME	459801.181	3780104.773	541.81
LOCATION	L0004623	VOLUME	459801.143	3780099.773	541.64
LOCATION	L0004624	VOLUME	459801.104	3780094.773	541.46
LOCATION	L0004625	VOLUME	459801.066	3780089.773	541.29
LOCATION	L0004626	VOLUME	459801.027	3780084.773	541.12
LOCATION	L0004627	VOLUME	459800.988	3780079.773	540.95
LOCATION	L0004628	VOLUME	459800.950	3780074.774	540.79
LOCATION	L0004629	VOLUME	459800.911	3780069.774	540.62
LOCATION	L0004630	VOLUME	459800.873	3780064.774	540.45
LOCATION	L0004631	VOLUME	459800.834	3780059.774	540.28
LOCATION	L0004632	VOLUME	459800.796	3780054.774	540.13
LOCATION	L0004633	VOLUME	459800.757	3780049.774	539.98
LOCATION	L0004634	VOLUME	459800.718	3780044.774	539.83
LOCATION	L0004635	VOLUME	459800.680	3780039.775	539.68
LOCATION	L0004636	VOLUME	459800.641	3780034.775	539.53
LOCATION	L0004637	VOLUME	459800.603	3780029.775	539.38
LOCATION	L0004638	VOLUME	459800.564	3780024.775	539.24
LOCATION	L0004639	VOLUME	459800.526	3780019.775	539.09
LOCATION	L0004640	VOLUME	459800.487	3780014.775	538.95
LOCATION	L0004641	VOLUME	459800.448	3780009.776	538.80
LOCATION	L0004642	VOLUME	459800.410	3780004.776	538.66

LOCATION	L0004643	VOLUME	459800.371	3779999.776	538.51
LOCATION	L0004644	VOLUME	459800.333	3779994.776	538.37
LOCATION	L0004645	VOLUME	459800.294	3779989.776	538.22
LOCATION	L0004646	VOLUME	459800.255	3779984.776	538.08
LOCATION	L0004647	VOLUME	459800.217	3779979.776	537.93
LOCATION	L0004648	VOLUME	459800.178	3779974.777	537.79
LOCATION	L0004649	VOLUME	459800.140	3779969.777	537.64
LOCATION	L0004650	VOLUME	459800.101	3779964.777	537.50
LOCATION	L0004651	VOLUME	459800.063	3779959.777	537.36
LOCATION	L0004652	VOLUME	459800.024	3779954.777	537.22
LOCATION	L0004653	VOLUME	459799.985	3779949.777	537.08
LOCATION	L0004654	VOLUME	459799.947	3779944.777	536.93
LOCATION	L0004655	VOLUME	459799.908	3779939.778	536.79
LOCATION	L0004656	VOLUME	459799.870	3779934.778	536.65
LOCATION	L0004657	VOLUME	459799.831	3779929.778	536.51
LOCATION	L0004658	VOLUME	459799.793	3779924.778	536.37
LOCATION	L0004659	VOLUME	459799.754	3779919.778	536.23
LOCATION	L0004660	VOLUME	459799.715	3779914.778	536.09
LOCATION	L0004661	VOLUME	459799.677	3779909.778	535.95
LOCATION	L0004662	VOLUME	459799.638	3779904.779	535.81
LOCATION	L0004663	VOLUME	459799.600	3779899.779	535.67
LOCATION	L0004664	VOLUME	459799.561	3779894.779	535.53
LOCATION	L0004665	VOLUME	459799.522	3779889.779	535.39
LOCATION	L0004666	VOLUME	459799.484	3779884.779	535.26
LOCATION	L0004667	VOLUME	459799.445	3779879.779	535.12
LOCATION	L0004668	VOLUME	459799.407	3779874.780	534.98
LOCATION	L0004669	VOLUME	459799.368	3779869.780	534.83
LOCATION	L0004670	VOLUME	459799.330	3779864.780	534.67
LOCATION	L0004671	VOLUME	459799.291	3779859.780	534.52
LOCATION	L0004672	VOLUME	459799.252	3779854.780	534.36
LOCATION	L0004673	VOLUME	459799.214	3779849.780	534.21
LOCATION	L0004674	VOLUME	459799.175	3779844.780	534.05
LOCATION	L0004675	VOLUME	459799.137	3779839.781	533.90
LOCATION	L0004676	VOLUME	459799.098	3779834.781	533.74
LOCATION	L0004677	VOLUME	459799.060	3779829.781	533.59
LOCATION	L0004678	VOLUME	459799.021	3779824.781	533.43
LOCATION	L0004679	VOLUME	459798.982	3779819.781	533.28
LOCATION	L0004680	VOLUME	459798.944	3779814.781	533.13
LOCATION	L0004681	VOLUME	459798.905	3779809.781	532.99
LOCATION	L0004682	VOLUME	459798.867	3779804.782	532.86
LOCATION	L0004683	VOLUME	459798.828	3779799.782	532.73
LOCATION	L0004684	VOLUME	459798.789	3779794.782	532.60
LOCATION	L0004685	VOLUME	459798.751	3779789.782	532.47
LOCATION	L0004686	VOLUME	459798.712	3779784.782	532.34
LOCATION	L0004687	VOLUME	459798.674	3779779.782	532.22
LOCATION	L0004688	VOLUME	459798.635	3779774.782	532.09
LOCATION	L0004689	VOLUME	459798.597	3779769.783	531.97
LOCATION	L0004690	VOLUME	459798.558	3779764.783	531.85

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   LOCATION L0004691     VOLUME   459798.519 3779759.783 531.72
   LOCATION L0004692     VOLUME   459798.481 3779754.783 531.60
   LOCATION L0004693     VOLUME   459798.442 3779749.783 531.47
   LOCATION L0004694     VOLUME   459798.404 3779744.783 531.34
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Sierra Avenue - SR-210 to Casa Grande
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 0.000123
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 4
** 459795.859, 3777387.468, 465.79, 3.70, 2.33
** 459791.705, 3777552.074, 473.30, 3.70, 2.33
** 459798.663, 3778918.242, 508.32, 3.70, 2.33
** 459798.334, 3779742.591, 531.33, 3.70, 2.33
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   LOCATION L0004695     VOLUME   459795.796 3777389.967 467.15
   LOCATION L0004696     VOLUME   459795.669 3777394.966 468.03
   LOCATION L0004697     VOLUME   459795.543 3777399.964 468.91
   LOCATION L0004698     VOLUME   459795.417 3777404.962 469.80
   LOCATION L0004699     VOLUME   459795.291 3777409.961 470.68
   LOCATION L0004700     VOLUME   459795.165 3777414.959 470.90
   LOCATION L0004701     VOLUME   459795.039 3777419.958 471.00
   LOCATION L0004702     VOLUME   459794.913 3777424.956 471.10
   LOCATION L0004703     VOLUME   459794.786 3777429.955 471.20
   LOCATION L0004704     VOLUME   459794.660 3777434.953 471.30
   LOCATION L0004705     VOLUME   459794.534 3777439.951 471.40
   LOCATION L0004706     VOLUME   459794.408 3777444.950 471.46
   LOCATION L0004707     VOLUME   459794.282 3777449.948 471.50
   LOCATION L0004708     VOLUME   459794.156 3777454.947 471.54
   LOCATION L0004709     VOLUME   459794.030 3777459.945 471.57
   LOCATION L0004710     VOLUME   459793.903 3777464.943 471.61
   LOCATION L0004711     VOLUME   459793.777 3777469.942 471.65
   LOCATION L0004712     VOLUME   459793.651 3777474.940 471.70
   LOCATION L0004713     VOLUME   459793.525 3777479.939 471.76
   LOCATION L0004714     VOLUME   459793.399 3777484.937 471.82
   LOCATION L0004715     VOLUME   459793.273 3777489.935 471.88
   LOCATION L0004716     VOLUME   459793.147 3777494.934 471.94
   LOCATION L0004717     VOLUME   459793.020 3777499.932 472.01
   LOCATION L0004718     VOLUME   459792.894 3777504.931 472.09
   LOCATION L0004719     VOLUME   459792.768 3777509.929 472.20
   LOCATION L0004720     VOLUME   459792.642 3777514.927 472.31
   LOCATION L0004721     VOLUME   459792.516 3777519.926 472.42
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LOCATION	L0004722	VOLUME	459792.390	3777524.924	472.53
LOCATION	L0004723	VOLUME	459792.264	3777529.923	472.64
LOCATION	L0004724	VOLUME	459792.137	3777534.921	472.76
LOCATION	L0004725	VOLUME	459792.011	3777539.920	472.88
LOCATION	L0004726	VOLUME	459791.885	3777544.918	473.01
LOCATION	L0004727	VOLUME	459791.759	3777549.916	473.13
LOCATION	L0004728	VOLUME	459791.719	3777554.916	473.26
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LOCATION	L0004730	VOLUME	459791.770	3777564.915	473.51
LOCATION	L0004731	VOLUME	459791.795	3777569.915	473.63
LOCATION	L0004732	VOLUME	459791.821	3777574.915	473.75
LOCATION	L0004733	VOLUME	459791.846	3777579.915	473.88
LOCATION	L0004734	VOLUME	459791.872	3777584.915	474.00
LOCATION	L0004735	VOLUME	459791.897	3777589.915	474.13
LOCATION	L0004736	VOLUME	459791.923	3777594.915	474.25
LOCATION	L0004737	VOLUME	459791.948	3777599.915	474.38
LOCATION	L0004738	VOLUME	459791.974	3777604.915	474.50
LOCATION	L0004739	VOLUME	459791.999	3777609.915	474.63
LOCATION	L0004740	VOLUME	459792.025	3777614.915	474.75
LOCATION	L0004741	VOLUME	459792.050	3777619.915	474.88
LOCATION	L0004742	VOLUME	459792.076	3777624.915	475.00
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LOCATION	L0004758	VOLUME	459792.483	3777704.914	476.87
LOCATION	L0004759	VOLUME	459792.509	3777709.914	476.99
LOCATION	L0004760	VOLUME	459792.534	3777714.914	477.11
LOCATION	L0004761	VOLUME	459792.559	3777719.913	477.23
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LOCATION	L0004763	VOLUME	459792.610	3777729.913	477.48
LOCATION	L0004764	VOLUME	459792.636	3777734.913	477.61
LOCATION	L0004765	VOLUME	459792.661	3777739.913	477.74
LOCATION	L0004766	VOLUME	459792.687	3777744.913	477.86
LOCATION	L0004767	VOLUME	459792.712	3777749.913	477.99
LOCATION	L0004768	VOLUME	459792.738	3777754.913	478.12
LOCATION	L0004769	VOLUME	459792.763	3777759.913	478.25

LOCATION	L0004770	VOLUME	459792.789	3777764.913	478.39
LOCATION	L0004771	VOLUME	459792.814	3777769.913	478.52
LOCATION	L0004772	VOLUME	459792.840	3777774.913	478.65
LOCATION	L0004773	VOLUME	459792.865	3777779.913	478.78
LOCATION	L0004774	VOLUME	459792.891	3777784.913	478.91
LOCATION	L0004775	VOLUME	459792.916	3777789.913	479.03
LOCATION	L0004776	VOLUME	459792.941	3777794.913	479.16
LOCATION	L0004777	VOLUME	459792.967	3777799.912	479.29
LOCATION	L0004778	VOLUME	459792.992	3777804.912	479.42
LOCATION	L0004779	VOLUME	459793.018	3777809.912	479.54
LOCATION	L0004780	VOLUME	459793.043	3777814.912	479.69
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LOCATION	L0004791	VOLUME	459793.324	3777869.912	481.19
LOCATION	L0004792	VOLUME	459793.349	3777874.911	481.31
LOCATION	L0004793	VOLUME	459793.374	3777879.911	481.44
LOCATION	L0004794	VOLUME	459793.400	3777884.911	481.56
LOCATION	L0004795	VOLUME	459793.425	3777889.911	481.69
LOCATION	L0004796	VOLUME	459793.451	3777894.911	481.81
LOCATION	L0004797	VOLUME	459793.476	3777899.911	481.94
LOCATION	L0004798	VOLUME	459793.502	3777904.911	482.06
LOCATION	L0004799	VOLUME	459793.527	3777909.911	482.17
LOCATION	L0004800	VOLUME	459793.553	3777914.911	482.29
LOCATION	L0004801	VOLUME	459793.578	3777919.911	482.40
LOCATION	L0004802	VOLUME	459793.604	3777924.911	482.52
LOCATION	L0004803	VOLUME	459793.629	3777929.911	482.63
LOCATION	L0004804	VOLUME	459793.655	3777934.911	482.75
LOCATION	L0004805	VOLUME	459793.680	3777939.911	482.88
LOCATION	L0004806	VOLUME	459793.706	3777944.911	483.02
LOCATION	L0004807	VOLUME	459793.731	3777949.910	483.15
LOCATION	L0004808	VOLUME	459793.756	3777954.910	483.29
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LOCATION	L0004811	VOLUME	459793.833	3777969.910	483.72
LOCATION	L0004812	VOLUME	459793.858	3777974.910	483.88
LOCATION	L0004813	VOLUME	459793.884	3777979.910	484.04
LOCATION	L0004814	VOLUME	459793.909	3777984.910	484.20
LOCATION	L0004815	VOLUME	459793.935	3777989.910	484.35
LOCATION	L0004816	VOLUME	459793.960	3777994.910	484.51
LOCATION	L0004817	VOLUME	459793.986	3777999.910	484.65

LOCATION	L0004818	VOLUME	459794.011	3778004.910	484.78
LOCATION	L0004819	VOLUME	459794.037	3778009.910	484.90
LOCATION	L0004820	VOLUME	459794.062	3778014.910	485.03
LOCATION	L0004821	VOLUME	459794.088	3778019.910	485.16
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LOCATION	L0004824	VOLUME	459794.164	3778034.909	485.57
LOCATION	L0004825	VOLUME	459794.189	3778039.909	485.71
LOCATION	L0004826	VOLUME	459794.215	3778044.909	485.86
LOCATION	L0004827	VOLUME	459794.240	3778049.909	486.00
LOCATION	L0004828	VOLUME	459794.266	3778054.909	486.14
LOCATION	L0004829	VOLUME	459794.291	3778059.909	486.27
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LOCATION	L0004832	VOLUME	459794.368	3778074.909	486.62
LOCATION	L0004833	VOLUME	459794.393	3778079.909	486.73
LOCATION	L0004834	VOLUME	459794.419	3778084.909	486.85
LOCATION	L0004835	VOLUME	459794.444	3778089.909	486.96
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LOCATION	L0004837	VOLUME	459794.495	3778099.909	487.17
LOCATION	L0004838	VOLUME	459794.520	3778104.908	487.28
LOCATION	L0004839	VOLUME	459794.546	3778109.908	487.38
LOCATION	L0004840	VOLUME	459794.571	3778114.908	487.49
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LOCATION	L0004842	VOLUME	459794.622	3778124.908	487.73
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LOCATION	L0004844	VOLUME	459794.673	3778134.908	487.98
LOCATION	L0004845	VOLUME	459794.699	3778139.908	488.11
LOCATION	L0004846	VOLUME	459794.724	3778144.908	488.24
LOCATION	L0004847	VOLUME	459794.750	3778149.908	488.37
LOCATION	L0004848	VOLUME	459794.775	3778154.908	488.48
LOCATION	L0004849	VOLUME	459794.801	3778159.908	488.59
LOCATION	L0004850	VOLUME	459794.826	3778164.908	488.70
LOCATION	L0004851	VOLUME	459794.852	3778169.908	488.81
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LOCATION	L0004854	VOLUME	459794.928	3778184.907	489.13
LOCATION	L0004855	VOLUME	459794.953	3778189.907	489.23
LOCATION	L0004856	VOLUME	459794.979	3778194.907	489.33
LOCATION	L0004857	VOLUME	459795.004	3778199.907	489.43
LOCATION	L0004858	VOLUME	459795.030	3778204.907	489.54
LOCATION	L0004859	VOLUME	459795.055	3778209.907	489.64
LOCATION	L0004860	VOLUME	459795.081	3778214.907	489.75
LOCATION	L0004861	VOLUME	459795.106	3778219.907	489.86
LOCATION	L0004862	VOLUME	459795.132	3778224.907	489.97
LOCATION	L0004863	VOLUME	459795.157	3778229.907	490.08
LOCATION	L0004864	VOLUME	459795.183	3778234.907	490.19
LOCATION	L0004865	VOLUME	459795.208	3778239.907	490.30

LOCATION	L0004866	VOLUME	459795.234	3778244.907	490.42
LOCATION	L0004867	VOLUME	459795.259	3778249.907	490.54
LOCATION	L0004868	VOLUME	459795.284	3778254.907	490.66
LOCATION	L0004869	VOLUME	459795.310	3778259.906	490.78
LOCATION	L0004870	VOLUME	459795.335	3778264.906	490.90
LOCATION	L0004871	VOLUME	459795.361	3778269.906	491.02
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LOCATION	L0004873	VOLUME	459795.412	3778279.906	491.27
LOCATION	L0004874	VOLUME	459795.437	3778284.906	491.40
LOCATION	L0004875	VOLUME	459795.463	3778289.906	491.52
LOCATION	L0004876	VOLUME	459795.488	3778294.906	491.65
LOCATION	L0004877	VOLUME	459795.514	3778299.906	491.77
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LOCATION	L0004880	VOLUME	459795.590	3778314.906	492.19
LOCATION	L0004881	VOLUME	459795.616	3778319.906	492.33
LOCATION	L0004882	VOLUME	459795.641	3778324.906	492.47
LOCATION	L0004883	VOLUME	459795.666	3778329.906	492.61
LOCATION	L0004884	VOLUME	459795.692	3778334.905	492.75
LOCATION	L0004885	VOLUME	459795.717	3778339.905	492.90
LOCATION	L0004886	VOLUME	459795.743	3778344.905	493.05
LOCATION	L0004887	VOLUME	459795.768	3778349.905	493.20
LOCATION	L0004888	VOLUME	459795.794	3778354.905	493.35
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LOCATION	L0004890	VOLUME	459795.845	3778364.905	493.65
LOCATION	L0004891	VOLUME	459795.870	3778369.905	493.79
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LOCATION	L0004893	VOLUME	459795.921	3778379.905	494.06
LOCATION	L0004894	VOLUME	459795.947	3778384.905	494.19
LOCATION	L0004895	VOLUME	459795.972	3778389.905	494.33
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LOCATION	L0004898	VOLUME	459796.048	3778404.905	494.70
LOCATION	L0004899	VOLUME	459796.074	3778409.905	494.82
LOCATION	L0004900	VOLUME	459796.099	3778414.904	494.94
LOCATION	L0004901	VOLUME	459796.125	3778419.904	495.06
LOCATION	L0004902	VOLUME	459796.150	3778424.904	495.18
LOCATION	L0004903	VOLUME	459796.176	3778429.904	495.31
LOCATION	L0004904	VOLUME	459796.201	3778434.904	495.45
LOCATION	L0004905	VOLUME	459796.227	3778439.904	495.60
LOCATION	L0004906	VOLUME	459796.252	3778444.904	495.74
LOCATION	L0004907	VOLUME	459796.278	3778449.904	495.88
LOCATION	L0004908	VOLUME	459796.303	3778454.904	496.02
LOCATION	L0004909	VOLUME	459796.329	3778459.904	496.16
LOCATION	L0004910	VOLUME	459796.354	3778464.904	496.28
LOCATION	L0004911	VOLUME	459796.380	3778469.904	496.40
LOCATION	L0004912	VOLUME	459796.405	3778474.904	496.53
LOCATION	L0004913	VOLUME	459796.430	3778479.904	496.65

LOCATION	L0004914	VOLUME	459796.456	3778484.904	496.77
LOCATION	L0004915	VOLUME	459796.481	3778489.903	496.90
LOCATION	L0004916	VOLUME	459796.507	3778494.903	497.05
LOCATION	L0004917	VOLUME	459796.532	3778499.903	497.20
LOCATION	L0004918	VOLUME	459796.558	3778504.903	497.35
LOCATION	L0004919	VOLUME	459796.583	3778509.903	497.50
LOCATION	L0004920	VOLUME	459796.609	3778514.903	497.64
LOCATION	L0004921	VOLUME	459796.634	3778519.903	497.79
LOCATION	L0004922	VOLUME	459796.660	3778524.903	497.94
LOCATION	L0004923	VOLUME	459796.685	3778529.903	498.09
LOCATION	L0004924	VOLUME	459796.711	3778534.903	498.25
LOCATION	L0004925	VOLUME	459796.736	3778539.903	498.40
LOCATION	L0004926	VOLUME	459796.762	3778544.903	498.55
LOCATION	L0004927	VOLUME	459796.787	3778549.903	498.70
LOCATION	L0004928	VOLUME	459796.813	3778554.903	498.84
LOCATION	L0004929	VOLUME	459796.838	3778559.903	498.97
LOCATION	L0004930	VOLUME	459796.863	3778564.903	499.11
LOCATION	L0004931	VOLUME	459796.889	3778569.902	499.24
LOCATION	L0004932	VOLUME	459796.914	3778574.902	499.38
LOCATION	L0004933	VOLUME	459796.940	3778579.902	499.51
LOCATION	L0004934	VOLUME	459796.965	3778584.902	499.66
LOCATION	L0004935	VOLUME	459796.991	3778589.902	499.81
LOCATION	L0004936	VOLUME	459797.016	3778594.902	499.96
LOCATION	L0004937	VOLUME	459797.042	3778599.902	500.11
LOCATION	L0004938	VOLUME	459797.067	3778604.902	500.26
LOCATION	L0004939	VOLUME	459797.093	3778609.902	500.41
LOCATION	L0004940	VOLUME	459797.118	3778614.902	500.55
LOCATION	L0004941	VOLUME	459797.144	3778619.902	500.67
LOCATION	L0004942	VOLUME	459797.169	3778624.902	500.79
LOCATION	L0004943	VOLUME	459797.195	3778629.902	500.92
LOCATION	L0004944	VOLUME	459797.220	3778634.902	501.04
LOCATION	L0004945	VOLUME	459797.245	3778639.902	501.16
LOCATION	L0004946	VOLUME	459797.271	3778644.901	501.28
LOCATION	L0004947	VOLUME	459797.296	3778649.901	501.40
LOCATION	L0004948	VOLUME	459797.322	3778654.901	501.51
LOCATION	L0004949	VOLUME	459797.347	3778659.901	501.63
LOCATION	L0004950	VOLUME	459797.373	3778664.901	501.74
LOCATION	L0004951	VOLUME	459797.398	3778669.901	501.86
LOCATION	L0004952	VOLUME	459797.424	3778674.901	501.98
LOCATION	L0004953	VOLUME	459797.449	3778679.901	502.12
LOCATION	L0004954	VOLUME	459797.475	3778684.901	502.26
LOCATION	L0004955	VOLUME	459797.500	3778689.901	502.39
LOCATION	L0004956	VOLUME	459797.526	3778694.901	502.53
LOCATION	L0004957	VOLUME	459797.551	3778699.901	502.67
LOCATION	L0004958	VOLUME	459797.577	3778704.901	502.81
LOCATION	L0004959	VOLUME	459797.602	3778709.901	502.96
LOCATION	L0004960	VOLUME	459797.627	3778714.901	503.10
LOCATION	L0004961	VOLUME	459797.653	3778719.901	503.25

LOCATION	L0004962	VOLUME	459797.678	3778724.900	503.39
LOCATION	L0004963	VOLUME	459797.704	3778729.900	503.54
LOCATION	L0004964	VOLUME	459797.729	3778734.900	503.69
LOCATION	L0004965	VOLUME	459797.755	3778739.900	503.81
LOCATION	L0004966	VOLUME	459797.780	3778744.900	503.94
LOCATION	L0004967	VOLUME	459797.806	3778749.900	504.07
LOCATION	L0004968	VOLUME	459797.831	3778754.900	504.20
LOCATION	L0004969	VOLUME	459797.857	3778759.900	504.32
LOCATION	L0004970	VOLUME	459797.882	3778764.900	504.45
LOCATION	L0004971	VOLUME	459797.908	3778769.900	504.58
LOCATION	L0004972	VOLUME	459797.933	3778774.900	504.70
LOCATION	L0004973	VOLUME	459797.959	3778779.900	504.82
LOCATION	L0004974	VOLUME	459797.984	3778784.900	504.94
LOCATION	L0004975	VOLUME	459798.009	3778789.900	505.07
LOCATION	L0004976	VOLUME	459798.035	3778794.900	505.19
LOCATION	L0004977	VOLUME	459798.060	3778799.899	505.32
LOCATION	L0004978	VOLUME	459798.086	3778804.899	505.45
LOCATION	L0004979	VOLUME	459798.111	3778809.899	505.58
LOCATION	L0004980	VOLUME	459798.137	3778814.899	505.72
LOCATION	L0004981	VOLUME	459798.162	3778819.899	505.85
LOCATION	L0004982	VOLUME	459798.188	3778824.899	505.98
LOCATION	L0004983	VOLUME	459798.213	3778829.899	506.12
LOCATION	L0004984	VOLUME	459798.239	3778834.899	506.25
LOCATION	L0004985	VOLUME	459798.264	3778839.899	506.38
LOCATION	L0004986	VOLUME	459798.290	3778844.899	506.52
LOCATION	L0004987	VOLUME	459798.315	3778849.899	506.65
LOCATION	L0004988	VOLUME	459798.341	3778854.899	506.78
LOCATION	L0004989	VOLUME	459798.366	3778859.899	506.92
LOCATION	L0004990	VOLUME	459798.391	3778864.899	507.05
LOCATION	L0004991	VOLUME	459798.417	3778869.899	507.18
LOCATION	L0004992	VOLUME	459798.442	3778874.898	507.32
LOCATION	L0004993	VOLUME	459798.468	3778879.898	507.45
LOCATION	L0004994	VOLUME	459798.493	3778884.898	507.58
LOCATION	L0004995	VOLUME	459798.519	3778889.898	507.71
LOCATION	L0004996	VOLUME	459798.544	3778894.898	507.82
LOCATION	L0004997	VOLUME	459798.570	3778899.898	507.93
LOCATION	L0004998	VOLUME	459798.595	3778904.898	508.04
LOCATION	L0004999	VOLUME	459798.621	3778909.898	508.15
LOCATION	L0005000	VOLUME	459798.646	3778914.898	508.25
LOCATION	L0005001	VOLUME	459798.663	3778919.898	508.36
LOCATION	L0005002	VOLUME	459798.661	3778924.898	508.50
LOCATION	L0005003	VOLUME	459798.659	3778929.898	508.63
LOCATION	L0005004	VOLUME	459798.657	3778934.898	508.77
LOCATION	L0005005	VOLUME	459798.655	3778939.898	508.91
LOCATION	L0005006	VOLUME	459798.653	3778944.898	509.04
LOCATION	L0005007	VOLUME	459798.651	3778949.898	509.18
LOCATION	L0005008	VOLUME	459798.649	3778954.898	509.32
LOCATION	L0005009	VOLUME	459798.647	3778959.898	509.46

LOCATION	L0005010	VOLUME	459798.645	3778964.898	509.60
LOCATION	L0005011	VOLUME	459798.643	3778969.898	509.74
LOCATION	L0005012	VOLUME	459798.641	3778974.898	509.87
LOCATION	L0005013	VOLUME	459798.639	3778979.898	510.01
LOCATION	L0005014	VOLUME	459798.637	3778984.898	510.16
LOCATION	L0005015	VOLUME	459798.635	3778989.898	510.30
LOCATION	L0005016	VOLUME	459798.633	3778994.898	510.44
LOCATION	L0005017	VOLUME	459798.631	3778999.898	510.59
LOCATION	L0005018	VOLUME	459798.629	3779004.898	510.73
LOCATION	L0005019	VOLUME	459798.627	3779009.898	510.87
LOCATION	L0005020	VOLUME	459798.625	3779014.898	511.02
LOCATION	L0005021	VOLUME	459798.623	3779019.898	511.16
LOCATION	L0005022	VOLUME	459798.621	3779024.898	511.31
LOCATION	L0005023	VOLUME	459798.619	3779029.898	511.45
LOCATION	L0005024	VOLUME	459798.617	3779034.898	511.59
LOCATION	L0005025	VOLUME	459798.615	3779039.898	511.74
LOCATION	L0005026	VOLUME	459798.613	3779044.898	511.89
LOCATION	L0005027	VOLUME	459798.611	3779049.898	512.04
LOCATION	L0005028	VOLUME	459798.609	3779054.898	512.20
LOCATION	L0005029	VOLUME	459798.607	3779059.898	512.35
LOCATION	L0005030	VOLUME	459798.605	3779064.898	512.51
LOCATION	L0005031	VOLUME	459798.603	3779069.898	512.66
LOCATION	L0005032	VOLUME	459798.601	3779074.898	512.81
LOCATION	L0005033	VOLUME	459798.599	3779079.898	512.94
LOCATION	L0005034	VOLUME	459798.597	3779084.898	513.06
LOCATION	L0005035	VOLUME	459798.595	3779089.898	513.19
LOCATION	L0005036	VOLUME	459798.593	3779094.898	513.32
LOCATION	L0005037	VOLUME	459798.591	3779099.898	513.45
LOCATION	L0005038	VOLUME	459798.589	3779104.898	513.57
LOCATION	L0005039	VOLUME	459798.587	3779109.898	513.68
LOCATION	L0005040	VOLUME	459798.585	3779114.898	513.79
LOCATION	L0005041	VOLUME	459798.583	3779119.898	513.90
LOCATION	L0005042	VOLUME	459798.581	3779124.898	514.01
LOCATION	L0005043	VOLUME	459798.579	3779129.898	514.12
LOCATION	L0005044	VOLUME	459798.577	3779134.898	514.23
LOCATION	L0005045	VOLUME	459798.575	3779139.898	514.34
LOCATION	L0005046	VOLUME	459798.573	3779144.898	514.46
LOCATION	L0005047	VOLUME	459798.571	3779149.898	514.58
LOCATION	L0005048	VOLUME	459798.569	3779154.898	514.70
LOCATION	L0005049	VOLUME	459798.567	3779159.898	514.81
LOCATION	L0005050	VOLUME	459798.565	3779164.898	514.93
LOCATION	L0005051	VOLUME	459798.563	3779169.898	515.05
LOCATION	L0005052	VOLUME	459798.561	3779174.898	515.18
LOCATION	L0005053	VOLUME	459798.559	3779179.898	515.30
LOCATION	L0005054	VOLUME	459798.557	3779184.898	515.43
LOCATION	L0005055	VOLUME	459798.555	3779189.898	515.55
LOCATION	L0005056	VOLUME	459798.553	3779194.898	515.68
LOCATION	L0005057	VOLUME	459798.551	3779199.898	515.80

LOCATION	L0005058	VOLUME	459798.549	3779204.898	515.93
LOCATION	L0005059	VOLUME	459798.547	3779209.898	516.06
LOCATION	L0005060	VOLUME	459798.545	3779214.898	516.19
LOCATION	L0005061	VOLUME	459798.543	3779219.898	516.32
LOCATION	L0005062	VOLUME	459798.541	3779224.898	516.45
LOCATION	L0005063	VOLUME	459798.539	3779229.898	516.58
LOCATION	L0005064	VOLUME	459798.537	3779234.898	516.71
LOCATION	L0005065	VOLUME	459798.535	3779239.898	516.84
LOCATION	L0005066	VOLUME	459798.533	3779244.898	516.97
LOCATION	L0005067	VOLUME	459798.531	3779249.898	517.10
LOCATION	L0005068	VOLUME	459798.529	3779254.898	517.23
LOCATION	L0005069	VOLUME	459798.527	3779259.898	517.36
LOCATION	L0005070	VOLUME	459798.525	3779264.898	517.50
LOCATION	L0005071	VOLUME	459798.523	3779269.898	517.64
LOCATION	L0005072	VOLUME	459798.521	3779274.898	517.78
LOCATION	L0005073	VOLUME	459798.519	3779279.898	517.92
LOCATION	L0005074	VOLUME	459798.517	3779284.898	518.06
LOCATION	L0005075	VOLUME	459798.515	3779289.898	518.20
LOCATION	L0005076	VOLUME	459798.513	3779294.898	518.35
LOCATION	L0005077	VOLUME	459798.511	3779299.898	518.50
LOCATION	L0005078	VOLUME	459798.509	3779304.898	518.66
LOCATION	L0005079	VOLUME	459798.507	3779309.898	518.81
LOCATION	L0005080	VOLUME	459798.505	3779314.898	518.97
LOCATION	L0005081	VOLUME	459798.503	3779319.898	519.12
LOCATION	L0005082	VOLUME	459798.501	3779324.898	519.26
LOCATION	L0005083	VOLUME	459798.499	3779329.898	519.41
LOCATION	L0005084	VOLUME	459798.497	3779334.898	519.55
LOCATION	L0005085	VOLUME	459798.495	3779339.898	519.70
LOCATION	L0005086	VOLUME	459798.493	3779344.898	519.84
LOCATION	L0005087	VOLUME	459798.491	3779349.898	519.99
LOCATION	L0005088	VOLUME	459798.489	3779354.898	520.11
LOCATION	L0005089	VOLUME	459798.487	3779359.898	520.22
LOCATION	L0005090	VOLUME	459798.485	3779364.898	520.33
LOCATION	L0005091	VOLUME	459798.483	3779369.898	520.44
LOCATION	L0005092	VOLUME	459798.481	3779374.898	520.56
LOCATION	L0005093	VOLUME	459798.479	3779379.898	520.67
LOCATION	L0005094	VOLUME	459798.477	3779384.898	520.79
LOCATION	L0005095	VOLUME	459798.475	3779389.898	520.93
LOCATION	L0005096	VOLUME	459798.473	3779394.898	521.06
LOCATION	L0005097	VOLUME	459798.471	3779399.898	521.19
LOCATION	L0005098	VOLUME	459798.469	3779404.898	521.32
LOCATION	L0005099	VOLUME	459798.467	3779409.898	521.45
LOCATION	L0005100	VOLUME	459798.465	3779414.898	521.59
LOCATION	L0005101	VOLUME	459798.463	3779419.898	521.72
LOCATION	L0005102	VOLUME	459798.461	3779424.898	521.86
LOCATION	L0005103	VOLUME	459798.459	3779429.898	521.99
LOCATION	L0005104	VOLUME	459798.457	3779434.898	522.13
LOCATION	L0005105	VOLUME	459798.455	3779439.898	522.27

LOCATION	L0005106	VOLUME	459798.453	3779444.898	522.41
LOCATION	L0005107	VOLUME	459798.451	3779449.898	522.55
LOCATION	L0005108	VOLUME	459798.449	3779454.898	522.70
LOCATION	L0005109	VOLUME	459798.447	3779459.898	522.84
LOCATION	L0005110	VOLUME	459798.445	3779464.898	522.99
LOCATION	L0005111	VOLUME	459798.443	3779469.898	523.13
LOCATION	L0005112	VOLUME	459798.441	3779474.898	523.28
LOCATION	L0005113	VOLUME	459798.439	3779479.898	523.42
LOCATION	L0005114	VOLUME	459798.437	3779484.898	523.55
LOCATION	L0005115	VOLUME	459798.435	3779489.898	523.69
LOCATION	L0005116	VOLUME	459798.433	3779494.898	523.83
LOCATION	L0005117	VOLUME	459798.431	3779499.898	523.97
LOCATION	L0005118	VOLUME	459798.429	3779504.898	524.11
LOCATION	L0005119	VOLUME	459798.427	3779509.898	524.25
LOCATION	L0005120	VOLUME	459798.425	3779514.898	524.39
LOCATION	L0005121	VOLUME	459798.423	3779519.898	524.53
LOCATION	L0005122	VOLUME	459798.421	3779524.898	524.67
LOCATION	L0005123	VOLUME	459798.419	3779529.898	524.81
LOCATION	L0005124	VOLUME	459798.417	3779534.898	524.95
LOCATION	L0005125	VOLUME	459798.415	3779539.898	525.09
LOCATION	L0005126	VOLUME	459798.413	3779544.898	525.24
LOCATION	L0005127	VOLUME	459798.411	3779549.898	525.38
LOCATION	L0005128	VOLUME	459798.409	3779554.898	525.53
LOCATION	L0005129	VOLUME	459798.407	3779559.898	525.67
LOCATION	L0005130	VOLUME	459798.405	3779564.898	525.82
LOCATION	L0005131	VOLUME	459798.403	3779569.898	525.96
LOCATION	L0005132	VOLUME	459798.401	3779574.898	526.11
LOCATION	L0005133	VOLUME	459798.399	3779579.898	526.25
LOCATION	L0005134	VOLUME	459798.397	3779584.898	526.40
LOCATION	L0005135	VOLUME	459798.395	3779589.898	526.54
LOCATION	L0005136	VOLUME	459798.393	3779594.898	526.68
LOCATION	L0005137	VOLUME	459798.391	3779599.898	526.83
LOCATION	L0005138	VOLUME	459798.389	3779604.898	526.98
LOCATION	L0005139	VOLUME	459798.387	3779609.898	527.13
LOCATION	L0005140	VOLUME	459798.385	3779614.898	527.29
LOCATION	L0005141	VOLUME	459798.383	3779619.898	527.44
LOCATION	L0005142	VOLUME	459798.381	3779624.898	527.59
LOCATION	L0005143	VOLUME	459798.379	3779629.898	527.74
LOCATION	L0005144	VOLUME	459798.377	3779634.898	527.90
LOCATION	L0005145	VOLUME	459798.375	3779639.898	528.06
LOCATION	L0005146	VOLUME	459798.373	3779644.898	528.22
LOCATION	L0005147	VOLUME	459798.371	3779649.898	528.38
LOCATION	L0005148	VOLUME	459798.369	3779654.898	528.54
LOCATION	L0005149	VOLUME	459798.367	3779659.898	528.70
LOCATION	L0005150	VOLUME	459798.365	3779664.898	528.86
LOCATION	L0005151	VOLUME	459798.363	3779669.898	529.02
LOCATION	L0005152	VOLUME	459798.361	3779674.898	529.19
LOCATION	L0005153	VOLUME	459798.359	3779679.898	529.35

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   LOCATION L0005154     VOLUME   459798.357 3779684.898 529.52
   LOCATION L0005155     VOLUME   459798.355 3779689.898 529.68
   LOCATION L0005156     VOLUME   459798.353 3779694.898 529.84
   LOCATION L0005157     VOLUME   459798.351 3779699.898 530.01
   LOCATION L0005158     VOLUME   459798.349 3779704.898 530.17
   LOCATION L0005159     VOLUME   459798.347 3779709.898 530.33
   LOCATION L0005160     VOLUME   459798.345 3779714.898 530.49
   LOCATION L0005161     VOLUME   459798.343 3779719.898 530.66
   LOCATION L0005162     VOLUME   459798.341 3779724.898 530.80
   LOCATION L0005163     VOLUME   459798.339 3779729.898 530.93
   LOCATION L0005164     VOLUME   459798.337 3779734.898 531.07
   LOCATION L0005165     VOLUME   459798.335 3779739.898 531.20
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Casa Grande - to W Driveway
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 6.82E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459801.241, 3779743.383, 531.30, 3.70, 2.33
** 459898.250, 3779742.782, 531.23, 3.70, 2.33
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   LOCATION L0005166     VOLUME   459803.741 3779743.367 531.29
   LOCATION L0005167     VOLUME   459808.741 3779743.337 531.29
   LOCATION L0005168     VOLUME   459813.741 3779743.306 531.28
   LOCATION L0005169     VOLUME   459818.741 3779743.275 531.31
   LOCATION L0005170     VOLUME   459823.741 3779743.244 531.34
   LOCATION L0005171     VOLUME   459828.741 3779743.213 531.37
   LOCATION L0005172     VOLUME   459833.741 3779743.182 531.40
   LOCATION L0005173     VOLUME   459838.741 3779743.151 531.43
   LOCATION L0005174     VOLUME   459843.741 3779743.120 531.39
   LOCATION L0005175     VOLUME   459848.741 3779743.089 531.35
   LOCATION L0005176     VOLUME   459853.740 3779743.058 531.31
   LOCATION L0005177     VOLUME   459858.740 3779743.027 531.27
   LOCATION L0005178     VOLUME   459863.740 3779742.996 531.23
   LOCATION L0005179     VOLUME   459868.740 3779742.965 531.21
   LOCATION L0005180     VOLUME   459873.740 3779742.934 531.20
   LOCATION L0005181     VOLUME   459878.740 3779742.903 531.19
   LOCATION L0005182     VOLUME   459883.740 3779742.872 531.17
   LOCATION L0005183     VOLUME   459888.740 3779742.841 531.16
   LOCATION L0005184     VOLUME   459893.740 3779742.810 531.18
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Casa Grande - W Driveway to E Driveway
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 6.88E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459895.547, 3779743.108, 531.26, 3.70, 2.33
** 460091.098, 3779742.189, 530.62, 3.70, 2.33
** ----------------------------------------------------------------------
   LOCATION L0005185     VOLUME   459898.047 3779743.096 531.21
   LOCATION L0005186     VOLUME   459903.047 3779743.073 531.24
   LOCATION L0005187     VOLUME   459908.046 3779743.049 531.27
   LOCATION L0005188     VOLUME   459913.046 3779743.026 531.30
   LOCATION L0005189     VOLUME   459918.046 3779743.002 531.32
   LOCATION L0005190     VOLUME   459923.046 3779742.979 531.33
   LOCATION L0005191     VOLUME   459928.046 3779742.955 531.33
   LOCATION L0005192     VOLUME   459933.046 3779742.932 531.34
   LOCATION L0005193     VOLUME   459938.046 3779742.908 531.35
   LOCATION L0005194     VOLUME   459943.046 3779742.885 531.36
   LOCATION L0005195     VOLUME   459948.046 3779742.861 531.37
   LOCATION L0005196     VOLUME   459953.046 3779742.838 531.38
   LOCATION L0005197     VOLUME   459958.046 3779742.814 531.39
   LOCATION L0005198     VOLUME   459963.046 3779742.791 531.40
   LOCATION L0005199     VOLUME   459968.046 3779742.767 531.42
   LOCATION L0005200     VOLUME   459973.046 3779742.744 531.42
   LOCATION L0005201     VOLUME   459978.046 3779742.720 531.43
   LOCATION L0005202     VOLUME   459983.046 3779742.697 531.44
   LOCATION L0005203     VOLUME   459988.046 3779742.673 531.44
   LOCATION L0005204     VOLUME   459993.046 3779742.650 531.45
   LOCATION L0005205     VOLUME   459998.045 3779742.626 531.43
   LOCATION L0005206     VOLUME   460003.045 3779742.603 531.42
   LOCATION L0005207     VOLUME   460008.045 3779742.579 531.41
   LOCATION L0005208     VOLUME   460013.045 3779742.556 531.39
   LOCATION L0005209     VOLUME   460018.045 3779742.532 531.38
   LOCATION L0005210     VOLUME   460023.045 3779742.509 531.35
   LOCATION L0005211     VOLUME   460028.045 3779742.485 531.33
   LOCATION L0005212     VOLUME   460033.045 3779742.462 531.30
   LOCATION L0005213     VOLUME   460038.045 3779742.438 531.27
   LOCATION L0005214     VOLUME   460043.045 3779742.415 531.25
   LOCATION L0005215     VOLUME   460048.045 3779742.391 531.19
   LOCATION L0005216     VOLUME   460053.045 3779742.368 531.14
   LOCATION L0005217     VOLUME   460058.045 3779742.345 531.08
   LOCATION L0005218     VOLUME   460063.045 3779742.321 531.02
   LOCATION L0005219     VOLUME   460068.045 3779742.298 530.96
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   LOCATION L0005220     VOLUME   460073.045 3779742.274 530.88
   LOCATION L0005221     VOLUME   460078.045 3779742.251 530.80
   LOCATION L0005222     VOLUME   460083.045 3779742.227 530.71
   LOCATION L0005223     VOLUME   460088.044 3779742.204 530.63
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC W Driveway Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 1.29E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459893.712, 3779746.170, 531.35, 3.70, 1.67
** 459893.731, 3779794.306, 532.16, 3.70, 1.67
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   LOCATION L0005224     VOLUME   459893.713 3779747.970 531.33
   LOCATION L0005225     VOLUME   459893.714 3779751.570 531.43
   LOCATION L0005226     VOLUME   459893.715 3779755.170 531.52
   LOCATION L0005227     VOLUME   459893.717 3779758.770 531.61
   LOCATION L0005228     VOLUME   459893.718 3779762.370 531.70
   LOCATION L0005229     VOLUME   459893.720 3779765.970 531.79
   LOCATION L0005230     VOLUME   459893.721 3779769.570 531.88
   LOCATION L0005231     VOLUME   459893.722 3779773.170 531.97
   LOCATION L0005232     VOLUME   459893.724 3779776.770 532.06
   LOCATION L0005233     VOLUME   459893.725 3779780.370 532.15
   LOCATION L0005234     VOLUME   459893.727 3779783.970 532.24
   LOCATION L0005235     VOLUME   459893.728 3779787.570 532.34
   LOCATION L0005236     VOLUME   459893.729 3779791.170 532.43
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC E Driveway Site Entrance
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 2.17E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 7
** 460090.758, 3779744.694, 530.67, 3.70, 1.67
** 460090.095, 3779762.221, 530.94, 3.70, 1.67
** 460086.997, 3779781.927, 531.44, 3.70, 1.67
** 460077.401, 3779792.244, 531.53, 3.70, 1.67
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** 460067.742, 3779796.355, 531.63, 3.70, 1.67
** 460060.925, 3779797.620, 531.67, 3.70, 1.67
** 460048.929, 3779798.445, 531.87, 3.70, 1.67
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   LOCATION L0005237     VOLUME   460090.690 3779746.493 530.70
   LOCATION L0005238     VOLUME   460090.554 3779750.091 530.79
   LOCATION L0005239     VOLUME   460090.418 3779753.688 530.87
   LOCATION L0005240     VOLUME   460090.282 3779757.285 530.95
   LOCATION L0005241     VOLUME   460090.146 3779760.883 531.03
   LOCATION L0005242     VOLUME   460089.744 3779764.454 531.11
   LOCATION L0005243     VOLUME   460089.185 3779768.011 531.20
   LOCATION L0005244     VOLUME   460088.626 3779771.567 531.28
   LOCATION L0005245     VOLUME   460088.067 3779775.123 531.36
   LOCATION L0005246     VOLUME   460087.507 3779778.680 531.44
   LOCATION L0005247     VOLUME   460086.784 3779782.156 531.53
   LOCATION L0005248     VOLUME   460084.332 3779784.792 531.62
   LOCATION L0005249     VOLUME   460081.880 3779787.428 531.70
   LOCATION L0005250     VOLUME   460079.428 3779790.064 531.79
   LOCATION L0005251     VOLUME   460076.828 3779792.488 531.86
   LOCATION L0005252     VOLUME   460073.515 3779793.898 531.92
   LOCATION L0005253     VOLUME   460070.203 3779795.307 531.96
   LOCATION L0005254     VOLUME   460066.832 3779796.524 532.02
   LOCATION L0005255     VOLUME   460063.292 3779797.180 532.07
   LOCATION L0005256     VOLUME   460059.735 3779797.701 532.12
   LOCATION L0005257     VOLUME   460056.144 3779797.949 532.16
   LOCATION L0005258     VOLUME   460052.552 3779798.196 532.20
   LOCATION L0005259     VOLUME   460048.961 3779798.443 532.24
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-SIte Idling
** PREFIX
** Length of Side = 3.60
** Configuration = Adjacent
** Emission Rate = 8.0E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 459885.360, 3779829.471, 533.66, 3.70, 1.67
** 460051.862, 3779828.472, 533.05, 3.70, 1.67
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   LOCATION L0005261     VOLUME   459890.760 3779829.439 533.52
   LOCATION L0005262     VOLUME   459894.360 3779829.417 533.55
   LOCATION L0005263     VOLUME   459897.960 3779829.396 533.58
   LOCATION L0005264     VOLUME   459901.560 3779829.374 533.61
   LOCATION L0005265     VOLUME   459905.160 3779829.352 533.65
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   LOCATION L0005267     VOLUME   459912.360 3779829.309 533.71
   LOCATION L0005268     VOLUME   459915.960 3779829.288 533.74
   LOCATION L0005269     VOLUME   459919.560 3779829.266 533.74
   LOCATION L0005270     VOLUME   459923.159 3779829.244 533.74
   LOCATION L0005271     VOLUME   459926.759 3779829.223 533.74
   LOCATION L0005272     VOLUME   459930.359 3779829.201 533.74
   LOCATION L0005273     VOLUME   459933.959 3779829.180 533.74
   LOCATION L0005274     VOLUME   459937.559 3779829.158 533.74
   LOCATION L0005275     VOLUME   459941.159 3779829.136 533.74
   LOCATION L0005276     VOLUME   459944.759 3779829.115 533.73
   LOCATION L0005277     VOLUME   459948.359 3779829.093 533.73
   LOCATION L0005278     VOLUME   459951.959 3779829.071 533.72
   LOCATION L0005279     VOLUME   459955.559 3779829.050 533.71
   LOCATION L0005280     VOLUME   459959.159 3779829.028 533.71
   LOCATION L0005281     VOLUME   459962.759 3779829.007 533.70
   LOCATION L0005282     VOLUME   459966.359 3779828.985 533.70
   LOCATION L0005283     VOLUME   459969.959 3779828.963 533.69
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   LOCATION L0005285     VOLUME   459977.159 3779828.920 533.67
   LOCATION L0005286     VOLUME   459980.758 3779828.899 533.66
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   LOCATION L0005288     VOLUME   459987.958 3779828.855 533.65
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   LOCATION L0005290     VOLUME   459995.158 3779828.812 533.62
   LOCATION L0005291     VOLUME   459998.758 3779828.790 533.58
   LOCATION L0005292     VOLUME   460002.358 3779828.769 533.55
   LOCATION L0005293     VOLUME   460005.958 3779828.747 533.52
   LOCATION L0005294     VOLUME   460009.558 3779828.726 533.48
   LOCATION L0005295     VOLUME   460013.158 3779828.704 533.45
   LOCATION L0005296     VOLUME   460016.758 3779828.682 533.42
   LOCATION L0005297     VOLUME   460020.358 3779828.661 533.37
   LOCATION L0005298     VOLUME   460023.958 3779828.639 533.30
   LOCATION L0005299     VOLUME   460027.558 3779828.618 533.24
   LOCATION L0005300     VOLUME   460031.158 3779828.596 533.17
   LOCATION L0005301     VOLUME   460034.757 3779828.574 533.11
   LOCATION L0005302     VOLUME   460038.357 3779828.553 533.04
   LOCATION L0005303     VOLUME   460041.957 3779828.531 532.97
   LOCATION L0005304     VOLUME   460045.557 3779828.510 532.93
   LOCATION L0005305     VOLUME   460049.157 3779828.488 532.91
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SRCPARAM	L0005134	0.0000002611	3.70	2.33	2.89

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   SRCPARAM L0005184     0.0000003589      3.70      2.33      2.89
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   SRCPARAM L0005215     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005216     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005217     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005218     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005219     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005220     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005221     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005222     0.0000001764      3.70      2.33      2.89
   SRCPARAM L0005223     0.0000001764      3.70      2.33      2.89
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0005224     0.00000009923      3.70      1.67      2.89
```

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   SRCPARAM L0005225     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005226     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005227     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005228     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005229     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005230     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005231     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005232     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005233     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005234     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005235     0.00000009923      3.70      1.67      2.89
   SRCPARAM L0005236     0.00000009923      3.70      1.67      2.89
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0005237     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005238     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005239     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005240     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005241     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005242     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005243     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005244     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005245     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005246     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005247     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005248     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005249     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005250     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005251     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005252     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005253     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005254     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005255     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005256     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005257     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005258     0.00000009435      3.70      1.67      2.89
   SRCPARAM L0005259     0.00000009435      3.70      1.67      2.89
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0005260     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005261     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005262     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005263     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005264     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005265     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005266     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005267     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005268     0.0000001739      3.70      1.67      2.89
```

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   SRCPARAM L0005269     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005270     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005271     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005272     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005273     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005274     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005275     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005276     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005277     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005278     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005279     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005280     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005281     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005282     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005283     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005284     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005285     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005286     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005287     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005288     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005289     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005290     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005291     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005292     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005293     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005294     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005295     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005296     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005297     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005298     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005299     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005300     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005301     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005302     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005303     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005304     0.0000001739      3.70      1.67      2.89
   SRCPARAM L0005305     0.0000001739      3.70      1.67      2.89
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
```

```
   INCLUDED "Fontana_Sierra Casa Grande.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Fontana_Sierra Casa Grande.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "Fontana_Sierra Casa Grande.AD\24H1GALL.PLT" 32
   PLOTFILE ANNUAL ALL "Fontana_Sierra Casa Grande.AD\AN00GALL.PLT" 33
   SUMMFILE "Fontana_Sierra Casa Grande.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
```

```
                            Fontana_Sierra Casa Grande.ADO
 ME W186    2463       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    2463       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                             ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for  1134 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

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

```
                          Fontana_Sierra Casa Grande.ADO
 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:   1134 Source(s);       1 Source Group(s); and     710
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:   1134 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      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.1 MB of RAM.

 **Input Runstream File:          aermod.inp

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

```
 **Detailed Error/Message File:   Fontana_Sierra Casa Grande.err

 **File for Summary of Results:   Fontana_Sierra Casa Grande.sum

 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

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


                                                     *** VOLUME SOURCE DATA ***

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

 L0004172         0   0.28870E-07  459760.8 3782348.7   610.0     3.70     2.33
2.89     YES
 L0004173         0   0.28870E-07  459762.8 3782344.1   609.6     3.70     2.33
2.89     YES
 L0004174         0   0.28870E-07  459764.7 3782339.5   609.1     3.70     2.33
2.89     YES
 L0004175         0   0.28870E-07  459766.6 3782334.8   608.7     3.70     2.33
2.89     YES
 L0004176         0   0.28870E-07  459768.6 3782330.2   608.4     3.70     2.33
2.89     YES
 L0004177         0   0.28870E-07  459770.5 3782325.6   607.9     3.70     2.33
2.89     YES
 L0004178         0   0.28870E-07  459772.4 3782321.0   607.5     3.70     2.33
2.89     YES
 L0004179         0   0.28870E-07  459774.4 3782316.4   607.1     3.70     2.33
2.89     YES
 L0004180         0   0.28870E-07  459776.3 3782311.8   606.8     3.70     2.33
2.89     YES
 L0004181         0   0.28870E-07  459778.2 3782307.2   606.6     3.70     2.33
2.89     YES
 L0004182         0   0.28870E-07  459780.2 3782302.6   606.4     3.70     2.33
2.89     YES
 L0004183         0   0.28870E-07  459782.1 3782298.0   606.2     3.70     2.33
```

L0004184	0	0.28870E-07	459784.0	3782293.3	606.0	3.70	2.33	2.89	YES
L0004185	0	0.28870E-07	459784.9	3782288.4	605.8	3.70	2.33	2.89	YES
L0004186	0	0.28870E-07	459785.8	3782283.5	605.6	3.70	2.33	2.89	YES
L0004187	0	0.28870E-07	459786.7	3782278.6	605.3	3.70	2.33	2.89	YES
L0004188	0	0.28870E-07	459787.6	3782273.7	605.2	3.70	2.33	2.89	YES
L0004189	0	0.28870E-07	459788.5	3782268.7	605.0	3.70	2.33	2.89	YES
L0004190	0	0.28870E-07	459789.4	3782263.8	604.8	3.70	2.33	2.89	YES
L0004191	0	0.28870E-07	459790.3	3782258.9	604.6	3.70	2.33	2.89	YES
L0004192	0	0.28870E-07	459791.2	3782254.0	604.4	3.70	2.33	2.89	YES
L0004193	0	0.28870E-07	459792.1	3782249.1	604.2	3.70	2.33	2.89	YES
L0004194	0	0.28870E-07	459793.0	3782244.2	604.0	3.70	2.33	2.89	YES
L0004195	0	0.28870E-07	459793.9	3782239.2	603.9	3.70	2.33	2.89	YES
L0004196	0	0.28870E-07	459794.8	3782234.3	603.7	3.70	2.33	2.89	YES
L0004197	0	0.28870E-07	459795.7	3782229.4	603.5	3.70	2.33	2.89	YES
L0004198	0	0.28870E-07	459796.6	3782224.5	603.4	3.70	2.33	2.89	YES
L0004199	0	0.28870E-07	459797.5	3782219.6	603.2	3.70	2.33	2.89	YES
L0004200	0	0.28870E-07	459798.0	3782214.6	603.0	3.70	2.33	2.89	YES
L0004201	0	0.28870E-07	459798.0	3782209.6	602.9	3.70	2.33	2.89	YES
L0004202	0	0.28870E-07	459798.0	3782204.6	602.8	3.70	2.33	2.89	YES
L0004203	0	0.28870E-07	459798.0	3782199.6	602.6	3.70	2.33	2.89	YES
L0004204	0	0.28870E-07	459798.0	3782194.6	602.5	3.70	2.33	2.89	YES
L0004205	0	0.28870E-07	459798.0	3782189.6	602.4	3.70	2.33	2.89	YES
L0004206	0	0.28870E-07	459798.0	3782184.6	602.3	3.70	2.33	2.89	YES
L0004207	0	0.28870E-07	459798.0	3782179.6	602.2	3.70	2.33		

```
2.89     YES
 L0004208         0   0.28870E-07  459798.0 3782174.6   602.1     3.70     2.33
2.89     YES
 L0004209         0   0.28870E-07  459798.0 3782169.6   602.0     3.70     2.33
2.89     YES
 L0004210         0   0.28870E-07  459798.0 3782164.6   601.9     3.70     2.33
2.89     YES
 L0004211         0   0.28870E-07  459798.0 3782159.6   601.8     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:59:05

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


                                                   *** VOLUME SOURCE DATA ***

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

 L0004212         0   0.28870E-07  459798.0 3782154.6   601.7     3.70     2.33
2.89     YES
 L0004213         0   0.28870E-07  459798.0 3782149.6   601.6     3.70     2.33
2.89     YES
 L0004214         0   0.28870E-07  459798.0 3782144.6   601.5     3.70     2.33
2.89     YES
 L0004215         0   0.28870E-07  459798.0 3782139.6   601.4     3.70     2.33
2.89     YES
 L0004216         0   0.28870E-07  459798.0 3782134.6   601.4     3.70     2.33
2.89     YES
 L0004217         0   0.28870E-07  459798.0 3782129.6   601.3     3.70     2.33
2.89     YES
 L0004218         0   0.28870E-07  459798.0 3782124.6   601.2     3.70     2.33
2.89     YES
 L0004219         0   0.28870E-07  459798.0 3782119.6   601.2     3.70     2.33
2.89     YES
 L0004220         0   0.28870E-07  459798.0 3782114.6   601.1     3.70     2.33
2.89     YES
 L0004221         0   0.28870E-07  459798.0 3782109.6   601.0     3.70     2.33
```

L0004222	0	0.28870E-07	459798.0	3782104.6	601.0	3.70	2.33	2.89	YES
L0004223	0	0.28870E-07	459797.9	3782099.6	600.9	3.70	2.33	2.89	YES
L0004224	0	0.28870E-07	459797.6	3782094.6	600.9	3.70	2.33	2.89	YES
L0004225	0	0.28870E-07	459797.4	3782089.6	600.8	3.70	2.33	2.89	YES
L0004226	0	0.28870E-07	459797.1	3782084.6	600.7	3.70	2.33	2.89	YES
L0004227	0	0.28870E-07	459796.8	3782079.6	600.5	3.70	2.33	2.89	YES
L0004228	0	0.28870E-07	459796.6	3782074.6	600.4	3.70	2.33	2.89	YES
L0004229	0	0.28870E-07	459796.3	3782069.6	600.3	3.70	2.33	2.89	YES
L0004230	0	0.28870E-07	459796.0	3782064.7	600.2	3.70	2.33	2.89	YES
L0004231	0	0.28870E-07	459795.8	3782059.7	600.1	3.70	2.33	2.89	YES
L0004232	0	0.28870E-07	459795.5	3782054.7	600.0	3.70	2.33	2.89	YES
L0004233	0	0.28870E-07	459795.2	3782049.7	599.8	3.70	2.33	2.89	YES
L0004234	0	0.28870E-07	459795.2	3782044.7	599.7	3.70	2.33	2.89	YES
L0004235	0	0.28870E-07	459795.3	3782039.7	599.6	3.70	2.33	2.89	YES
L0004236	0	0.28870E-07	459795.4	3782034.7	599.4	3.70	2.33	2.89	YES
L0004237	0	0.28870E-07	459795.5	3782029.7	599.3	3.70	2.33	2.89	YES
L0004238	0	0.28870E-07	459795.6	3782024.7	599.2	3.70	2.33	2.89	YES
L0004239	0	0.28870E-07	459795.6	3782019.7	599.0	3.70	2.33	2.89	YES
L0004240	0	0.28870E-07	459795.7	3782014.7	598.9	3.70	2.33	2.89	YES
L0004241	0	0.28870E-07	459795.8	3782009.7	598.7	3.70	2.33	2.89	YES
L0004242	0	0.28870E-07	459795.9	3782004.7	598.6	3.70	2.33	2.89	YES
L0004243	0	0.28870E-07	459796.0	3781999.7	598.4	3.70	2.33	2.89	YES
L0004244	0	0.28870E-07	459796.0	3781994.7	598.3	3.70	2.33	2.89	YES
L0004245	0	0.28870E-07	459796.1	3781989.7	598.1	3.70	2.33		

```
2.89     YES
 L0004246         0   0.28870E-07  459796.2 3781984.7   598.0     3.70     2.33
2.89     YES
 L0004247         0   0.28870E-07  459796.3 3781979.7   597.9     3.70     2.33
2.89     YES
 L0004248         0   0.28870E-07  459796.3 3781974.7   597.7     3.70     2.33
2.89     YES
 L0004249         0   0.28870E-07  459796.4 3781969.7   597.6     3.70     2.33
2.89     YES
 L0004250         0   0.28870E-07  459796.5 3781964.7   597.5     3.70     2.33
2.89     YES
 L0004251         0   0.28870E-07  459796.6 3781959.7   597.4     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0004252         0   0.28870E-07  459796.7 3781954.7   597.2     3.70     2.33
2.89     YES
 L0004253         0   0.28870E-07  459796.7 3781949.7   597.1     3.70     2.33
2.89     YES
 L0004254         0   0.28870E-07  459796.8 3781944.7   597.0     3.70     2.33
2.89     YES
 L0004255         0   0.28870E-07  459796.9 3781939.7   596.9     3.70     2.33
2.89     YES
 L0004256         0   0.28870E-07  459797.0 3781934.7   596.8     3.70     2.33
2.89     YES
 L0004257         0   0.28870E-07  459797.0 3781929.7   596.7     3.70     2.33
2.89     YES
 L0004258         0   0.28870E-07  459797.1 3781924.7   596.6     3.70     2.33
2.89     YES
 L0004259         0   0.28870E-07  459797.2 3781919.7   596.6     3.70     2.33
```

L0004260	0	0.28870E-07	459797.3	3781914.7	596.5	3.70	2.33	2.89	YES
L0004261	0	0.28870E-07	459797.4	3781909.7	596.4	3.70	2.33	2.89	YES
L0004262	0	0.28870E-07	459797.4	3781904.7	596.4	3.70	2.33	2.89	YES
L0004263	0	0.28870E-07	459797.5	3781899.7	596.3	3.70	2.33	2.89	YES
L0004264	0	0.28870E-07	459797.6	3781894.7	596.3	3.70	2.33	2.89	YES
L0004265	0	0.28870E-07	459797.7	3781889.7	596.3	3.70	2.33	2.89	YES
L0004266	0	0.28870E-07	459797.7	3781884.7	596.3	3.70	2.33	2.89	YES
L0004267	0	0.28870E-07	459797.8	3781879.7	596.2	3.70	2.33	2.89	YES
L0004268	0	0.28870E-07	459797.9	3781874.7	596.2	3.70	2.33	2.89	YES
L0004269	0	0.28870E-07	459798.0	3781869.7	596.1	3.70	2.33	2.89	YES
L0004270	0	0.28870E-07	459798.1	3781864.7	596.1	3.70	2.33	2.89	YES
L0004271	0	0.28870E-07	459798.1	3781859.7	596.0	3.70	2.33	2.89	YES
L0004272	0	0.28870E-07	459798.2	3781854.7	596.0	3.70	2.33	2.89	YES
L0004273	0	0.28870E-07	459798.3	3781849.7	595.9	3.70	2.33	2.89	YES
L0004274	0	0.28870E-07	459798.4	3781844.7	595.8	3.70	2.33	2.89	YES
L0004275	0	0.28870E-07	459798.4	3781839.7	595.7	3.70	2.33	2.89	YES
L0004276	0	0.28870E-07	459798.5	3781834.7	595.6	3.70	2.33	2.89	YES
L0004277	0	0.28870E-07	459798.6	3781829.7	595.5	3.70	2.33	2.89	YES
L0004278	0	0.28870E-07	459798.7	3781824.7	595.3	3.70	2.33	2.89	YES
L0004279	0	0.28870E-07	459798.8	3781819.7	595.2	3.70	2.33	2.89	YES
L0004280	0	0.28870E-07	459798.8	3781814.7	595.1	3.70	2.33	2.89	YES
L0004281	0	0.28870E-07	459798.9	3781809.7	595.0	3.70	2.33	2.89	YES
L0004282	0	0.28870E-07	459799.0	3781804.7	594.9	3.70	2.33	2.89	YES
L0004283	0	0.28870E-07	459799.1	3781799.7	594.8	3.70	2.33		

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2.89     YES
 L0004284         0   0.28870E-07  459799.1 3781794.7   594.6     3.70     2.33
2.89     YES
 L0004285         0   0.28870E-07  459799.2 3781789.7   594.5     3.70     2.33
2.89     YES
 L0004286         0   0.28870E-07  459799.3 3781784.7   594.4     3.70     2.33
2.89     YES
 L0004287         0   0.28870E-07  459799.4 3781779.7   594.3     3.70     2.33
2.89     YES
 L0004288         0   0.28870E-07  459799.5 3781774.7   594.1     3.70     2.33
2.89     YES
 L0004289         0   0.28870E-07  459799.5 3781769.7   594.0     3.70     2.33
2.89     YES
 L0004290         0   0.28870E-07  459799.6 3781764.7   593.9     3.70     2.33
2.89     YES
 L0004291         0   0.28870E-07  459799.7 3781759.7   593.7     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0004292         0   0.28870E-07  459799.8 3781754.7   593.6     3.70     2.33
2.89     YES
 L0004293         0   0.28870E-07  459799.8 3781749.7   593.5     3.70     2.33
2.89     YES
 L0004294         0   0.28870E-07  459799.8 3781744.7   593.3     3.70     2.33
2.89     YES
 L0004295         0   0.28870E-07  459799.8 3781739.7   593.2     3.70     2.33
2.89     YES
 L0004296         0   0.28870E-07  459799.8 3781734.7   593.0     3.70     2.33
2.89     YES
 L0004297         0   0.28870E-07  459799.7 3781729.7   592.9     3.70     2.33
```

L0004298	0	0.28870E-07	459799.7	3781724.7	592.7	3.70	2.33	2.89	YES
L0004299	0	0.28870E-07	459799.7	3781719.7	592.6	3.70	2.33	2.89	YES
L0004300	0	0.28870E-07	459799.7	3781714.7	592.4	3.70	2.33	2.89	YES
L0004301	0	0.28870E-07	459799.6	3781709.7	592.3	3.70	2.33	2.89	YES
L0004302	0	0.28870E-07	459799.6	3781704.7	592.2	3.70	2.33	2.89	YES
L0004303	0	0.28870E-07	459799.6	3781699.7	592.0	3.70	2.33	2.89	YES
L0004304	0	0.28870E-07	459799.6	3781694.7	591.9	3.70	2.33	2.89	YES
L0004305	0	0.28870E-07	459799.5	3781689.7	591.8	3.70	2.33	2.89	YES
L0004306	0	0.28870E-07	459799.5	3781684.7	591.6	3.70	2.33	2.89	YES
L0004307	0	0.28870E-07	459799.5	3781679.7	591.4	3.70	2.33	2.89	YES
L0004308	0	0.28870E-07	459799.5	3781674.7	591.2	3.70	2.33	2.89	YES
L0004309	0	0.28870E-07	459799.4	3781669.7	591.1	3.70	2.33	2.89	YES
L0004310	0	0.28870E-07	459799.4	3781664.7	590.9	3.70	2.33	2.89	YES
L0004311	0	0.28870E-07	459799.4	3781659.7	590.7	3.70	2.33	2.89	YES
L0004312	0	0.28870E-07	459799.4	3781654.7	590.6	3.70	2.33	2.89	YES
L0004313	0	0.28870E-07	459799.3	3781649.7	590.4	3.70	2.33	2.89	YES
L0004314	0	0.28870E-07	459799.3	3781644.7	590.2	3.70	2.33	2.89	YES
L0004315	0	0.28870E-07	459799.3	3781639.7	590.1	3.70	2.33	2.89	YES
L0004316	0	0.28870E-07	459799.3	3781634.7	589.9	3.70	2.33	2.89	YES
L0004317	0	0.28870E-07	459799.3	3781629.7	589.8	3.70	2.33	2.89	YES
L0004318	0	0.28870E-07	459799.2	3781624.7	589.6	3.70	2.33	2.89	YES
L0004319	0	0.28870E-07	459799.2	3781619.7	589.4	3.70	2.33	2.89	YES
L0004320	0	0.28870E-07	459799.2	3781614.7	589.3	3.70	2.33	2.89	YES
L0004321	0	0.28870E-07	459799.2	3781609.7	589.1	3.70	2.33		

```
2.89     YES
 L0004322         0   0.28870E-07  459799.1 3781604.7   588.9     3.70     2.33
2.89     YES
 L0004323         0   0.28870E-07  459799.1 3781599.7   588.8     3.70     2.33
2.89     YES
 L0004324         0   0.28870E-07  459799.1 3781594.7   588.6     3.70     2.33
2.89     YES
 L0004325         0   0.28870E-07  459799.1 3781589.7   588.4     3.70     2.33
2.89     YES
 L0004326         0   0.28870E-07  459799.0 3781584.7   588.3     3.70     2.33
2.89     YES
 L0004327         0   0.28870E-07  459799.0 3781579.7   588.1     3.70     2.33
2.89     YES
 L0004328         0   0.28870E-07  459799.0 3781574.7   587.9     3.70     2.33
2.89     YES
 L0004329         0   0.28870E-07  459799.0 3781569.7   587.8     3.70     2.33
2.89     YES
 L0004330         0   0.28870E-07  459798.9 3781564.7   587.6     3.70     2.33
2.89     YES
 L0004331         0   0.28870E-07  459798.9 3781559.7   587.4     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0004332         0   0.28870E-07  459798.9 3781554.7   587.3     3.70     2.33
2.89     YES
 L0004333         0   0.28870E-07  459799.0 3781549.7   587.1     3.70     2.33
2.89     YES
 L0004334         0   0.28870E-07  459799.0 3781544.7   586.9     3.70     2.33
2.89     YES
 L0004335         0   0.28870E-07  459799.1 3781539.7   586.8     3.70     2.33
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L0004336	0	0.28870E-07	459799.1	3781534.7	586.6	3.70	2.33	2.89	YES
L0004337	0	0.28870E-07	459799.2	3781529.7	586.4	3.70	2.33	2.89	YES
L0004338	0	0.28870E-07	459799.2	3781524.7	586.2	3.70	2.33	2.89	YES
L0004339	0	0.28870E-07	459799.2	3781519.7	586.0	3.70	2.33	2.89	YES
L0004340	0	0.28870E-07	459799.3	3781514.7	585.8	3.70	2.33	2.89	YES
L0004341	0	0.28870E-07	459799.3	3781509.7	585.7	3.70	2.33	2.89	YES
L0004342	0	0.28870E-07	459799.4	3781504.7	585.5	3.70	2.33	2.89	YES
L0004343	0	0.28870E-07	459799.4	3781499.7	585.3	3.70	2.33	2.89	YES
L0004344	0	0.28870E-07	459799.5	3781494.7	585.1	3.70	2.33	2.89	YES
L0004345	0	0.28870E-07	459799.5	3781489.7	584.9	3.70	2.33	2.89	YES
L0004346	0	0.28870E-07	459799.6	3781484.7	584.7	3.70	2.33	2.89	YES
L0004347	0	0.28870E-07	459799.6	3781479.7	584.5	3.70	2.33	2.89	YES
L0004348	0	0.28870E-07	459799.7	3781474.7	584.3	3.70	2.33	2.89	YES
L0004349	0	0.28870E-07	459799.7	3781469.7	584.1	3.70	2.33	2.89	YES
L0004350	0	0.28870E-07	459799.8	3781464.7	583.9	3.70	2.33	2.89	YES
L0004351	0	0.28870E-07	459799.8	3781459.7	583.7	3.70	2.33	2.89	YES
L0004352	0	0.28870E-07	459799.9	3781454.7	583.5	3.70	2.33	2.89	YES
L0004353	0	0.28870E-07	459799.9	3781449.7	583.3	3.70	2.33	2.89	YES
L0004354	0	0.28870E-07	459800.0	3781444.7	583.1	3.70	2.33	2.89	YES
L0004355	0	0.28870E-07	459800.0	3781439.7	583.0	3.70	2.33	2.89	YES
L0004356	0	0.28870E-07	459800.1	3781434.7	582.8	3.70	2.33	2.89	YES
L0004357	0	0.28870E-07	459800.1	3781429.7	582.6	3.70	2.33	2.89	YES
L0004358	0	0.28870E-07	459800.2	3781424.7	582.5	3.70	2.33	2.89	YES
L0004359	0	0.28870E-07	459800.2	3781419.7	582.3	3.70	2.33		

```
2.89     YES
 L0004360         0   0.28870E-07  459800.2 3781414.7   582.1     3.70     2.33
2.89     YES
 L0004361         0   0.28870E-07  459800.3 3781409.7   582.0     3.70     2.33
2.89     YES
 L0004362         0   0.28870E-07  459800.3 3781404.7   581.8     3.70     2.33
2.89     YES
 L0004363         0   0.28870E-07  459800.4 3781399.7   581.6     3.70     2.33
2.89     YES
 L0004364         0   0.28870E-07  459800.4 3781394.7   581.4     3.70     2.33
2.89     YES
 L0004365         0   0.28870E-07  459800.5 3781389.7   581.2     3.70     2.33
2.89     YES
 L0004366         0   0.28870E-07  459800.5 3781384.7   581.0     3.70     2.33
2.89     YES
 L0004367         0   0.28870E-07  459800.6 3781379.7   580.8     3.70     2.33
2.89     YES
 L0004368         0   0.28870E-07  459800.6 3781374.7   580.6     3.70     2.33
2.89     YES
 L0004369         0   0.28870E-07  459800.7 3781369.7   580.4     3.70     2.33
2.89     YES
 L0004370         0   0.28870E-07  459800.7 3781364.7   580.2     3.70     2.33
2.89     YES
 L0004371         0   0.28870E-07  459800.8 3781359.7   580.0     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0004372         0   0.28870E-07  459800.8 3781354.7   579.8     3.70     2.33
2.89     YES
 L0004373         0   0.28870E-07  459800.9 3781349.7   579.6     3.70     2.33
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L0004374	0	0.28870E-07	459800.9	3781344.7	579.4	3.70	2.33	2.89	YES
L0004375	0	0.28870E-07	459801.0	3781339.7	579.2	3.70	2.33	2.89	YES
L0004376	0	0.28870E-07	459801.0	3781334.7	578.9	3.70	2.33	2.89	YES
L0004377	0	0.28870E-07	459801.1	3781329.7	578.7	3.70	2.33	2.89	YES
L0004378	0	0.28870E-07	459801.1	3781324.7	578.5	3.70	2.33	2.89	YES
L0004379	0	0.28870E-07	459801.1	3781319.7	578.3	3.70	2.33	2.89	YES
L0004380	0	0.28870E-07	459801.2	3781314.7	578.1	3.70	2.33	2.89	YES
L0004381	0	0.28870E-07	459801.2	3781309.7	577.9	3.70	2.33	2.89	YES
L0004382	0	0.28870E-07	459801.3	3781304.7	577.6	3.70	2.33	2.89	YES
L0004383	0	0.28870E-07	459801.3	3781299.7	577.4	3.70	2.33	2.89	YES
L0004384	0	0.28870E-07	459801.4	3781294.7	577.2	3.70	2.33	2.89	YES
L0004385	0	0.28870E-07	459801.4	3781289.7	577.0	3.70	2.33	2.89	YES
L0004386	0	0.28870E-07	459801.5	3781284.7	576.9	3.70	2.33	2.89	YES
L0004387	0	0.28870E-07	459801.5	3781279.7	576.7	3.70	2.33	2.89	YES
L0004388	0	0.28870E-07	459801.6	3781274.7	576.6	3.70	2.33	2.89	YES
L0004389	0	0.28870E-07	459801.6	3781269.7	576.4	3.70	2.33	2.89	YES
L0004390	0	0.28870E-07	459801.7	3781264.7	576.3	3.70	2.33	2.89	YES
L0004391	0	0.28870E-07	459801.7	3781259.7	576.1	3.70	2.33	2.89	YES
L0004392	0	0.28870E-07	459801.8	3781254.7	576.0	3.70	2.33	2.89	YES
L0004393	0	0.28870E-07	459801.8	3781249.7	575.9	3.70	2.33	2.89	YES
L0004394	0	0.28870E-07	459801.9	3781244.7	575.8	3.70	2.33	2.89	YES
L0004395	0	0.28870E-07	459801.9	3781239.7	575.7	3.70	2.33	2.89	YES
L0004396	0	0.28870E-07	459802.0	3781234.7	575.5	3.70	2.33	2.89	YES
L0004397	0	0.28870E-07	459802.0	3781229.7	575.4	3.70	2.33		

```
2.89     YES
 L0004398         0   0.28870E-07  459802.0 3781224.7   575.3     3.70     2.33
2.89     YES
 L0004399         0   0.28870E-07  459802.1 3781219.7   575.2     3.70     2.33
2.89     YES
 L0004400         0   0.28870E-07  459802.1 3781214.7   575.1     3.70     2.33
2.89     YES
 L0004401         0   0.28870E-07  459802.2 3781209.7   575.0     3.70     2.33
2.89     YES
 L0004402         0   0.28870E-07  459802.2 3781204.7   574.9     3.70     2.33
2.89     YES
 L0004403         0   0.28870E-07  459802.3 3781199.7   574.8     3.70     2.33
2.89     YES
 L0004404         0   0.28870E-07  459802.3 3781194.7   574.7     3.70     2.33
2.89     YES
 L0004405         0   0.28870E-07  459802.4 3781189.7   574.6     3.70     2.33
2.89     YES
 L0004406         0   0.28870E-07  459802.4 3781184.7   574.5     3.70     2.33
2.89     YES
 L0004407         0   0.28870E-07  459802.5 3781179.7   574.4     3.70     2.33
2.89     YES
 L0004408         0   0.28870E-07  459802.5 3781174.7   574.3     3.70     2.33
2.89     YES
 L0004409         0   0.28870E-07  459802.6 3781169.7   574.2     3.70     2.33
2.89     YES
 L0004410         0   0.28870E-07  459802.6 3781164.7   574.1     3.70     2.33
2.89     YES
 L0004411         0   0.28870E-07  459802.7 3781159.7   574.0     3.70     2.33
2.89     YES
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                                                    *** VOLUME SOURCE DATA ***

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

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 L0004412          0   0.28870E-07  459802.7 3781154.7   573.9     3.70     2.33
2.89     YES
 L0004413          0   0.28870E-07  459802.8 3781149.7   573.8     3.70     2.33
2.89     YES
 L0004414          0   0.28870E-07  459802.8 3781144.7   573.7     3.70     2.33
2.89     YES
 L0004415          0   0.28870E-07  459802.9 3781139.7   573.6     3.70     2.33
2.89     YES
 L0004416          0   0.28870E-07  459802.9 3781134.7   573.5     3.70     2.33
2.89     YES
 L0004417          0   0.28870E-07  459803.0 3781129.7   573.4     3.70     2.33
2.89     YES
 L0004418          0   0.28870E-07  459803.0 3781124.7   573.2     3.70     2.33
2.89     YES
 L0004419          0   0.28870E-07  459803.0 3781119.7   573.1     3.70     2.33
2.89     YES
 L0004420          0   0.28870E-07  459803.1 3781114.7   573.0     3.70     2.33
2.89     YES
 L0004421          0   0.28870E-07  459803.1 3781109.7   572.8     3.70     2.33
2.89     YES
 L0004422          0   0.28870E-07  459803.2 3781104.7   572.7     3.70     2.33
2.89     YES
 L0004423          0   0.28870E-07  459803.2 3781099.7   572.5     3.70     2.33
2.89     YES
 L0004424          0   0.28870E-07  459803.3 3781094.7   572.4     3.70     2.33
2.89     YES
 L0004425          0   0.28870E-07  459803.3 3781089.7   572.2     3.70     2.33
2.89     YES
 L0004426          0   0.28870E-07  459803.4 3781084.7   572.0     3.70     2.33
2.89     YES
 L0004427          0   0.28870E-07  459803.4 3781079.7   571.9     3.70     2.33
2.89     YES
 L0004428          0   0.28870E-07  459803.5 3781074.7   571.7     3.70     2.33
2.89     YES
 L0004429          0   0.28870E-07  459803.5 3781069.7   571.5     3.70     2.33
2.89     YES
 L0004430          0   0.28870E-07  459803.6 3781064.7   571.3     3.70     2.33
2.89     YES
 L0004431          0   0.28870E-07  459803.6 3781059.7   571.2     3.70     2.33
2.89     YES
 L0004432          0   0.28870E-07  459803.7 3781054.7   571.0     3.70     2.33
2.89     YES
 L0004433          0   0.28870E-07  459803.7 3781049.7   570.8     3.70     2.33
2.89     YES
 L0004434          0   0.28870E-07  459803.8 3781044.7   570.6     3.70     2.33
2.89     YES
 L0004435          0   0.28870E-07  459803.8 3781039.7   570.5     3.70     2.33
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2.89     YES
 L0004436         0   0.28870E-07  459803.9 3781034.7   570.3     3.70     2.33
2.89     YES
 L0004437         0   0.28870E-07  459803.9 3781029.7   570.1     3.70     2.33
2.89     YES
 L0004438         0   0.28870E-07  459803.9 3781024.7   570.0     3.70     2.33
2.89     YES
 L0004439         0   0.28870E-07  459804.0 3781019.7   569.8     3.70     2.33
2.89     YES
 L0004440         0   0.28870E-07  459804.0 3781014.7   569.6     3.70     2.33
2.89     YES
 L0004441         0   0.28870E-07  459804.1 3781009.7   569.5     3.70     2.33
2.89     YES
 L0004442         0   0.28870E-07  459804.1 3781004.7   569.3     3.70     2.33
2.89     YES
 L0004443         0   0.28870E-07  459804.2 3780999.7   569.2     3.70     2.33
2.89     YES
 L0004444         0   0.28870E-07  459804.2 3780994.7   569.0     3.70     2.33
2.89     YES
 L0004445         0   0.28870E-07  459804.3 3780989.7   568.9     3.70     2.33
2.89     YES
 L0004446         0   0.28870E-07  459804.3 3780984.7   568.7     3.70     2.33
2.89     YES
 L0004447         0   0.28870E-07  459804.4 3780979.7   568.6     3.70     2.33
2.89     YES
 L0004448         0   0.28870E-07  459804.4 3780974.7   568.4     3.70     2.33
2.89     YES
 L0004449         0   0.28870E-07  459804.5 3780969.7   568.2     3.70     2.33
2.89     YES
 L0004450         0   0.28870E-07  459804.5 3780964.7   568.0     3.70     2.33
2.89     YES
 L0004451         0   0.28870E-07  459804.6 3780959.7   567.8     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

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


                                                   *** VOLUME SOURCE DATA ***

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

ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0004452	0	0.28870E-07	459804.6	3780954.7	567.6	3.70	2.33	2.89 YES
L0004453	0	0.28870E-07	459804.7	3780949.7	567.4	3.70	2.33	2.89 YES
L0004454	0	0.28870E-07	459804.7	3780944.7	567.3	3.70	2.33	2.89 YES
L0004455	0	0.28870E-07	459804.8	3780939.7	567.1	3.70	2.33	2.89 YES
L0004456	0	0.28870E-07	459804.8	3780934.7	566.9	3.70	2.33	2.89 YES
L0004457	0	0.28870E-07	459804.8	3780929.7	566.8	3.70	2.33	2.89 YES
L0004458	0	0.28870E-07	459804.9	3780924.7	566.6	3.70	2.33	2.89 YES
L0004459	0	0.28870E-07	459804.9	3780919.7	566.4	3.70	2.33	2.89 YES
L0004460	0	0.28870E-07	459805.0	3780914.7	566.3	3.70	2.33	2.89 YES
L0004461	0	0.28870E-07	459805.0	3780909.7	566.1	3.70	2.33	2.89 YES
L0004462	0	0.28870E-07	459805.1	3780904.7	566.0	3.70	2.33	2.89 YES
L0004463	0	0.28870E-07	459805.1	3780899.7	565.8	3.70	2.33	2.89 YES
L0004464	0	0.28870E-07	459805.2	3780894.7	565.7	3.70	2.33	2.89 YES
L0004465	0	0.28870E-07	459805.2	3780889.7	565.5	3.70	2.33	2.89 YES
L0004466	0	0.28870E-07	459805.3	3780884.7	565.4	3.70	2.33	2.89 YES
L0004467	0	0.28870E-07	459805.3	3780879.7	565.2	3.70	2.33	2.89 YES
L0004468	0	0.28870E-07	459805.4	3780874.7	565.1	3.70	2.33	2.89 YES
L0004469	0	0.28870E-07	459805.4	3780869.7	564.9	3.70	2.33	2.89 YES
L0004470	0	0.28870E-07	459805.5	3780864.7	564.8	3.70	2.33	2.89 YES
L0004471	0	0.28870E-07	459805.5	3780859.7	564.6	3.70	2.33	2.89 YES
L0004472	0	0.28870E-07	459805.6	3780854.7	564.5	3.70	2.33	2.89 YES
L0004473	0	0.28870E-07	459805.6	3780849.7	564.3	3.70	2.33	

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2.89     YES
 L0004474         0   0.28870E-07  459805.7 3780844.8   564.2     3.70     2.33
2.89     YES
 L0004475         0   0.28870E-07  459805.7 3780839.8   564.0     3.70     2.33
2.89     YES
 L0004476         0   0.28870E-07  459805.8 3780834.8   563.9     3.70     2.33
2.89     YES
 L0004477         0   0.28870E-07  459805.8 3780829.8   563.8     3.70     2.33
2.89     YES
 L0004478         0   0.28870E-07  459805.8 3780824.8   563.6     3.70     2.33
2.89     YES
 L0004479         0   0.28870E-07  459805.9 3780819.8   563.4     3.70     2.33
2.89     YES
 L0004480         0   0.28870E-07  459805.9 3780814.8   563.3     3.70     2.33
2.89     YES
 L0004481         0   0.28870E-07  459806.0 3780809.8   563.1     3.70     2.33
2.89     YES
 L0004482         0   0.28870E-07  459806.0 3780804.8   563.0     3.70     2.33
2.89     YES
 L0004483         0   0.28870E-07  459806.1 3780799.8   562.8     3.70     2.33
2.89     YES
 L0004484         0   0.28870E-07  459806.1 3780794.8   562.7     3.70     2.33
2.89     YES
 L0004485         0   0.28870E-07  459806.2 3780789.8   562.5     3.70     2.33
2.89     YES
 L0004486         0   0.28870E-07  459806.2 3780784.8   562.4     3.70     2.33
2.89     YES
 L0004487         0   0.28870E-07  459806.3 3780779.8   562.2     3.70     2.33
2.89     YES
 L0004488         0   0.28870E-07  459806.3 3780774.8   562.1     3.70     2.33
2.89     YES
 L0004489         0   0.28870E-07  459806.3 3780769.8   561.9     3.70     2.33
2.89     YES
 L0004490         0   0.28870E-07  459806.3 3780764.8   561.7     3.70     2.33
2.89     YES
 L0004491         0   0.28870E-07  459806.2 3780759.8   561.6     3.70     2.33
2.89     YES
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                NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0004492         0   0.28870E-07  459806.2 3780754.8   561.4     3.70     2.33
2.89     YES
 L0004493         0   0.28870E-07  459806.2 3780749.8   561.2     3.70     2.33
2.89     YES
 L0004494         0   0.28870E-07  459806.1 3780744.8   561.1     3.70     2.33
2.89     YES
 L0004495         0   0.28870E-07  459806.1 3780739.8   560.9     3.70     2.33
2.89     YES
 L0004496         0   0.28870E-07  459806.0 3780734.8   560.8     3.70     2.33
2.89     YES
 L0004497         0   0.28870E-07  459806.0 3780729.8   560.6     3.70     2.33
2.89     YES
 L0004498         0   0.28870E-07  459806.0 3780724.8   560.4     3.70     2.33
2.89     YES
 L0004499         0   0.28870E-07  459805.9 3780719.8   560.2     3.70     2.33
2.89     YES
 L0004500         0   0.28870E-07  459805.9 3780714.8   560.1     3.70     2.33
2.89     YES
 L0004501         0   0.28870E-07  459805.8 3780709.8   559.9     3.70     2.33
2.89     YES
 L0004502         0   0.28870E-07  459805.8 3780704.8   559.7     3.70     2.33
2.89     YES
 L0004503         0   0.28870E-07  459805.8 3780699.8   559.5     3.70     2.33
2.89     YES
 L0004504         0   0.28870E-07  459805.7 3780694.8   559.4     3.70     2.33
2.89     YES
 L0004505         0   0.28870E-07  459805.7 3780689.8   559.2     3.70     2.33
2.89     YES
 L0004506         0   0.28870E-07  459805.7 3780684.8   559.1     3.70     2.33
2.89     YES
 L0004507         0   0.28870E-07  459805.6 3780679.8   558.9     3.70     2.33
2.89     YES
 L0004508         0   0.28870E-07  459805.6 3780674.8   558.7     3.70     2.33
2.89     YES
 L0004509         0   0.28870E-07  459805.5 3780669.8   558.6     3.70     2.33
2.89     YES
 L0004510         0   0.28870E-07  459805.5 3780664.8   558.4     3.70     2.33
2.89     YES
 L0004511         0   0.28870E-07  459805.5 3780659.8   558.3     3.70     2.33
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2.89     YES
 L0004512         0   0.28870E-07  459805.4 3780654.8   558.1     3.70     2.33
2.89     YES
 L0004513         0   0.28870E-07  459805.4 3780649.8   557.9     3.70     2.33
2.89     YES
 L0004514         0   0.28870E-07  459805.3 3780644.8   557.8     3.70     2.33
2.89     YES
 L0004515         0   0.28870E-07  459805.3 3780639.8   557.6     3.70     2.33
2.89     YES
 L0004516         0   0.28870E-07  459805.3 3780634.8   557.4     3.70     2.33
2.89     YES
 L0004517         0   0.28870E-07  459805.2 3780629.8   557.2     3.70     2.33
2.89     YES
 L0004518         0   0.28870E-07  459805.2 3780624.8   557.0     3.70     2.33
2.89     YES
 L0004519         0   0.28870E-07  459805.2 3780619.8   556.8     3.70     2.33
2.89     YES
 L0004520         0   0.28870E-07  459805.1 3780614.8   556.6     3.70     2.33
2.89     YES
 L0004521         0   0.28870E-07  459805.1 3780609.8   556.4     3.70     2.33
2.89     YES
 L0004522         0   0.28870E-07  459805.0 3780604.8   556.2     3.70     2.33
2.89     YES
 L0004523         0   0.28870E-07  459805.0 3780599.8   556.1     3.70     2.33
2.89     YES
 L0004524         0   0.28870E-07  459805.0 3780594.8   555.9     3.70     2.33
2.89     YES
 L0004525         0   0.28870E-07  459804.9 3780589.8   555.8     3.70     2.33
2.89     YES
 L0004526         0   0.28870E-07  459804.9 3780584.8   555.6     3.70     2.33
2.89     YES
 L0004527         0   0.28870E-07  459804.8 3780579.8   555.4     3.70     2.33
2.89     YES
 L0004528         0   0.28870E-07  459804.8 3780574.8   555.3     3.70     2.33
2.89     YES
 L0004529         0   0.28870E-07  459804.8 3780569.8   555.1     3.70     2.33
2.89     YES
 L0004530         0   0.28870E-07  459804.7 3780564.8   555.0     3.70     2.33
2.89     YES
 L0004531         0   0.28870E-07  459804.7 3780559.8   554.8     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:59:05

                                 PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE
L0004532	0		0.28870E-07	459804.7	3780554.8	554.6	3.70	2.33	2.89	YES
L0004533	0		0.28870E-07	459804.6	3780549.8	554.5	3.70	2.33	2.89	YES
L0004534	0		0.28870E-07	459804.6	3780544.8	554.4	3.70	2.33	2.89	YES
L0004535	0		0.28870E-07	459804.5	3780539.8	554.2	3.70	2.33	2.89	YES
L0004536	0		0.28870E-07	459804.5	3780534.8	554.1	3.70	2.33	2.89	YES
L0004537	0		0.28870E-07	459804.5	3780529.8	554.0	3.70	2.33	2.89	YES
L0004538	0		0.28870E-07	459804.4	3780524.8	553.8	3.70	2.33	2.89	YES
L0004539	0		0.28870E-07	459804.4	3780519.8	553.7	3.70	2.33	2.89	YES
L0004540	0		0.28870E-07	459804.3	3780514.8	553.6	3.70	2.33	2.89	YES
L0004541	0		0.28870E-07	459804.3	3780509.8	553.5	3.70	2.33	2.89	YES
L0004542	0		0.28870E-07	459804.3	3780504.8	553.3	3.70	2.33	2.89	YES
L0004543	0		0.28870E-07	459804.2	3780499.8	553.2	3.70	2.33	2.89	YES
L0004544	0		0.28870E-07	459804.2	3780494.8	553.1	3.70	2.33	2.89	YES
L0004545	0		0.28870E-07	459804.2	3780489.8	553.0	3.70	2.33	2.89	YES
L0004546	0		0.28870E-07	459804.1	3780484.8	552.8	3.70	2.33	2.89	YES
L0004547	0		0.28870E-07	459804.1	3780479.8	552.7	3.70	2.33	2.89	YES
L0004548	0		0.28870E-07	459804.0	3780474.8	552.5	3.70	2.33	2.89	YES
L0004549	0		0.28870E-07	459804.0	3780469.8	552.4	3.70	2.33		

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2.89     YES
 L0004550         0   0.28870E-07  459804.0 3780464.8   552.3     3.70     2.33
2.89     YES
 L0004551         0   0.28870E-07  459803.9 3780459.8   552.1     3.70     2.33
2.89     YES
 L0004552         0   0.28870E-07  459803.9 3780454.8   552.0     3.70     2.33
2.89     YES
 L0004553         0   0.28870E-07  459803.8 3780449.8   551.8     3.70     2.33
2.89     YES
 L0004554         0   0.28870E-07  459803.8 3780444.8   551.7     3.70     2.33
2.89     YES
 L0004555         0   0.28870E-07  459803.8 3780439.8   551.5     3.70     2.33
2.89     YES
 L0004556         0   0.28870E-07  459803.7 3780434.8   551.4     3.70     2.33
2.89     YES
 L0004557         0   0.28870E-07  459803.7 3780429.8   551.3     3.70     2.33
2.89     YES
 L0004558         0   0.28870E-07  459803.6 3780424.8   551.1     3.70     2.33
2.89     YES
 L0004559         0   0.28870E-07  459803.6 3780419.8   551.0     3.70     2.33
2.89     YES
 L0004560         0   0.28870E-07  459803.6 3780414.8   550.8     3.70     2.33
2.89     YES
 L0004561         0   0.28870E-07  459803.5 3780409.8   550.7     3.70     2.33
2.89     YES
 L0004562         0   0.28870E-07  459803.5 3780404.8   550.5     3.70     2.33
2.89     YES
 L0004563         0   0.28870E-07  459803.5 3780399.8   550.3     3.70     2.33
2.89     YES
 L0004564         0   0.28870E-07  459803.4 3780394.8   550.2     3.70     2.33
2.89     YES
 L0004565         0   0.28870E-07  459803.4 3780389.8   550.0     3.70     2.33
2.89     YES
 L0004566         0   0.28870E-07  459803.3 3780384.8   549.9     3.70     2.33
2.89     YES
 L0004567         0   0.28870E-07  459803.3 3780379.8   549.7     3.70     2.33
2.89     YES
 L0004568         0   0.28870E-07  459803.3 3780374.8   549.6     3.70     2.33
2.89     YES
 L0004569         0   0.28870E-07  459803.2 3780369.8   549.4     3.70     2.33
2.89     YES
 L0004570         0   0.28870E-07  459803.2 3780364.8   549.3     3.70     2.33
2.89     YES
 L0004571         0   0.28870E-07  459803.1 3780359.8   549.1     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004572	0	0.28870E-07	459803.1	3780354.8	549.0	3.70	2.33	2.89	YES	
L0004573	0	0.28870E-07	459803.1	3780349.8	548.8	3.70	2.33	2.89	YES	
L0004574	0	0.28870E-07	459803.0	3780344.8	548.7	3.70	2.33	2.89	YES	
L0004575	0	0.28870E-07	459803.0	3780339.8	548.6	3.70	2.33	2.89	YES	
L0004576	0	0.28870E-07	459803.0	3780334.8	548.4	3.70	2.33	2.89	YES	
L0004577	0	0.28870E-07	459802.9	3780329.8	548.3	3.70	2.33	2.89	YES	
L0004578	0	0.28870E-07	459802.9	3780324.8	548.2	3.70	2.33	2.89	YES	
L0004579	0	0.28870E-07	459802.8	3780319.8	548.0	3.70	2.33	2.89	YES	
L0004580	0	0.28870E-07	459802.8	3780314.8	547.9	3.70	2.33	2.89	YES	
L0004581	0	0.28870E-07	459802.8	3780309.8	547.8	3.70	2.33	2.89	YES	
L0004582	0	0.28870E-07	459802.7	3780304.8	547.6	3.70	2.33	2.89	YES	
L0004583	0	0.28870E-07	459802.7	3780299.8	547.5	3.70	2.33	2.89	YES	
L0004584	0	0.28870E-07	459802.6	3780294.8	547.4	3.70	2.33	2.89	YES	
L0004585	0	0.28870E-07	459802.6	3780289.8	547.2	3.70	2.33	2.89	YES	
L0004586	0	0.28870E-07	459802.6	3780284.8	547.1	3.70	2.33	2.89	YES	
L0004587	0	0.28870E-07	459802.5	3780279.8	547.0	3.70	2.33			

L0004588	0	0.28870E-07	459802.5	3780274.8	546.8	3.70	2.33	2.89	YES
L0004589	0	0.28870E-07	459802.5	3780269.8	546.7	3.70	2.33	2.89	YES
L0004590	0	0.28870E-07	459802.4	3780264.8	546.6	3.70	2.33	2.89	YES
L0004591	0	0.28870E-07	459802.4	3780259.8	546.4	3.70	2.33	2.89	YES
L0004592	0	0.28870E-07	459802.3	3780254.8	546.3	3.70	2.33	2.89	YES
L0004593	0	0.28870E-07	459802.3	3780249.8	546.1	3.70	2.33	2.89	YES
L0004594	0	0.28870E-07	459802.3	3780244.8	546.0	3.70	2.33	2.89	YES
L0004595	0	0.28870E-07	459802.2	3780239.8	545.9	3.70	2.33	2.89	YES
L0004596	0	0.28870E-07	459802.2	3780234.8	545.7	3.70	2.33	2.89	YES
L0004597	0	0.28870E-07	459802.1	3780229.8	545.6	3.70	2.33	2.89	YES
L0004598	0	0.28870E-07	459802.1	3780224.8	545.5	3.70	2.33	2.89	YES
L0004599	0	0.28870E-07	459802.1	3780219.8	545.3	3.70	2.33	2.89	YES
L0004600	0	0.28870E-07	459802.0	3780214.8	545.2	3.70	2.33	2.89	YES
L0004601	0	0.28870E-07	459802.0	3780209.8	545.1	3.70	2.33	2.89	YES
L0004602	0	0.28870E-07	459802.0	3780204.8	544.9	3.70	2.33	2.89	YES
L0004603	0	0.28870E-07	459801.9	3780199.8	544.8	3.70	2.33	2.89	YES
L0004604	0	0.28870E-07	459801.9	3780194.8	544.6	3.70	2.33	2.89	YES
L0004605	0	0.28870E-07	459801.8	3780189.8	544.5	3.70	2.33	2.89	YES
L0004606	0	0.28870E-07	459801.8	3780184.8	544.3	3.70	2.33	2.89	YES
L0004607	0	0.28870E-07	459801.8	3780179.8	544.2	3.70	2.33	2.89	YES
L0004608	0	0.28870E-07	459801.7	3780174.8	544.0	3.70	2.33	2.89	YES
L0004609	0	0.28870E-07	459801.7	3780169.8	543.9	3.70	2.33	2.89	YES
L0004610	0	0.28870E-07	459801.6	3780164.8	543.7	3.70	2.33	2.89	YES
L0004611	0	0.28870E-07	459801.6	3780159.8	543.6	3.70	2.33		

2.89 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004612	0	0.28870E-07	459801.6	3780154.8	543.4	3.70	2.33	2.89	YES	
L0004613	0	0.28870E-07	459801.5	3780149.8	543.3	3.70	2.33	2.89	YES	
L0004614	0	0.28870E-07	459801.5	3780144.8	543.1	3.70	2.33	2.89	YES	
L0004615	0	0.28870E-07	459801.5	3780139.8	543.0	3.70	2.33	2.89	YES	
L0004616	0	0.28870E-07	459801.4	3780134.8	542.8	3.70	2.33	2.89	YES	
L0004617	0	0.28870E-07	459801.4	3780129.8	542.6	3.70	2.33	2.89	YES	
L0004618	0	0.28870E-07	459801.3	3780124.8	542.5	3.70	2.33	2.89	YES	
L0004619	0	0.28870E-07	459801.3	3780119.8	542.3	3.70	2.33	2.89	YES	
L0004620	0	0.28870E-07	459801.3	3780114.8	542.2	3.70	2.33	2.89	YES	
L0004621	0	0.28870E-07	459801.2	3780109.8	542.0	3.70	2.33	2.89	YES	
L0004622	0	0.28870E-07	459801.2	3780104.8	541.8	3.70	2.33	2.89	YES	
L0004623	0	0.28870E-07	459801.1	3780099.8	541.6	3.70	2.33	2.89	YES	
L0004624	0	0.28870E-07	459801.1	3780094.8	541.5	3.70	2.33	2.89	YES	
L0004625	0	0.28870E-07	459801.1	3780089.8	541.3	3.70	2.33			

L0004626	0	0.28870E-07	459801.0	3780084.8	541.1	3.70	2.33	2.89	YES
L0004627	0	0.28870E-07	459801.0	3780079.8	540.9	3.70	2.33	2.89	YES
L0004628	0	0.28870E-07	459801.0	3780074.8	540.8	3.70	2.33	2.89	YES
L0004629	0	0.28870E-07	459800.9	3780069.8	540.6	3.70	2.33	2.89	YES
L0004630	0	0.28870E-07	459800.9	3780064.8	540.4	3.70	2.33	2.89	YES
L0004631	0	0.28870E-07	459800.8	3780059.8	540.3	3.70	2.33	2.89	YES
L0004632	0	0.28870E-07	459800.8	3780054.8	540.1	3.70	2.33	2.89	YES
L0004633	0	0.28870E-07	459800.8	3780049.8	540.0	3.70	2.33	2.89	YES
L0004634	0	0.28870E-07	459800.7	3780044.8	539.8	3.70	2.33	2.89	YES
L0004635	0	0.28870E-07	459800.7	3780039.8	539.7	3.70	2.33	2.89	YES
L0004636	0	0.28870E-07	459800.6	3780034.8	539.5	3.70	2.33	2.89	YES
L0004637	0	0.28870E-07	459800.6	3780029.8	539.4	3.70	2.33	2.89	YES
L0004638	0	0.28870E-07	459800.6	3780024.8	539.2	3.70	2.33	2.89	YES
L0004639	0	0.28870E-07	459800.5	3780019.8	539.1	3.70	2.33	2.89	YES
L0004640	0	0.28870E-07	459800.5	3780014.8	538.9	3.70	2.33	2.89	YES
L0004641	0	0.28870E-07	459800.4	3780009.8	538.8	3.70	2.33	2.89	YES
L0004642	0	0.28870E-07	459800.4	3780004.8	538.7	3.70	2.33	2.89	YES
L0004643	0	0.28870E-07	459800.4	3779999.8	538.5	3.70	2.33	2.89	YES
L0004644	0	0.28870E-07	459800.3	3779994.8	538.4	3.70	2.33	2.89	YES
L0004645	0	0.28870E-07	459800.3	3779989.8	538.2	3.70	2.33	2.89	YES
L0004646	0	0.28870E-07	459800.3	3779984.8	538.1	3.70	2.33	2.89	YES
L0004647	0	0.28870E-07	459800.2	3779979.8	537.9	3.70	2.33	2.89	YES
L0004648	0	0.28870E-07	459800.2	3779974.8	537.8	3.70	2.33	2.89	YES
L0004649	0	0.28870E-07	459800.1	3779969.8	537.6	3.70	2.33		

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2.89     YES
 L0004650         0   0.28870E-07  459800.1 3779964.8   537.5     3.70     2.33
2.89     YES
 L0004651         0   0.28870E-07  459800.1 3779959.8   537.4     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

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

 L0004652         0   0.28870E-07  459800.0 3779954.8   537.2     3.70     2.33
2.89     YES
 L0004653         0   0.28870E-07  459800.0 3779949.8   537.1     3.70     2.33
2.89     YES
 L0004654         0   0.28870E-07  459799.9 3779944.8   536.9     3.70     2.33
2.89     YES
 L0004655         0   0.28870E-07  459799.9 3779939.8   536.8     3.70     2.33
2.89     YES
 L0004656         0   0.28870E-07  459799.9 3779934.8   536.6     3.70     2.33
2.89     YES
 L0004657         0   0.28870E-07  459799.8 3779929.8   536.5     3.70     2.33
2.89     YES
 L0004658         0   0.28870E-07  459799.8 3779924.8   536.4     3.70     2.33
2.89     YES
 L0004659         0   0.28870E-07  459799.8 3779919.8   536.2     3.70     2.33
2.89     YES
 L0004660         0   0.28870E-07  459799.7 3779914.8   536.1     3.70     2.33
2.89     YES
 L0004661         0   0.28870E-07  459799.7 3779909.8   535.9     3.70     2.33
2.89     YES
 L0004662         0   0.28870E-07  459799.6 3779904.8   535.8     3.70     2.33
2.89     YES
 L0004663         0   0.28870E-07  459799.6 3779899.8   535.7     3.70     2.33
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L0004664	0	0.28870E-07	459799.6	3779894.8	535.5	3.70	2.33	2.89	YES
L0004665	0	0.28870E-07	459799.5	3779889.8	535.4	3.70	2.33	2.89	YES
L0004666	0	0.28870E-07	459799.5	3779884.8	535.3	3.70	2.33	2.89	YES
L0004667	0	0.28870E-07	459799.4	3779879.8	535.1	3.70	2.33	2.89	YES
L0004668	0	0.28870E-07	459799.4	3779874.8	535.0	3.70	2.33	2.89	YES
L0004669	0	0.28870E-07	459799.4	3779869.8	534.8	3.70	2.33	2.89	YES
L0004670	0	0.28870E-07	459799.3	3779864.8	534.7	3.70	2.33	2.89	YES
L0004671	0	0.28870E-07	459799.3	3779859.8	534.5	3.70	2.33	2.89	YES
L0004672	0	0.28870E-07	459799.3	3779854.8	534.4	3.70	2.33	2.89	YES
L0004673	0	0.28870E-07	459799.2	3779849.8	534.2	3.70	2.33	2.89	YES
L0004674	0	0.28870E-07	459799.2	3779844.8	534.0	3.70	2.33	2.89	YES
L0004675	0	0.28870E-07	459799.1	3779839.8	533.9	3.70	2.33	2.89	YES
L0004676	0	0.28870E-07	459799.1	3779834.8	533.7	3.70	2.33	2.89	YES
L0004677	0	0.28870E-07	459799.1	3779829.8	533.6	3.70	2.33	2.89	YES
L0004678	0	0.28870E-07	459799.0	3779824.8	533.4	3.70	2.33	2.89	YES
L0004679	0	0.28870E-07	459799.0	3779819.8	533.3	3.70	2.33	2.89	YES
L0004680	0	0.28870E-07	459798.9	3779814.8	533.1	3.70	2.33	2.89	YES
L0004681	0	0.28870E-07	459798.9	3779809.8	533.0	3.70	2.33	2.89	YES
L0004682	0	0.28870E-07	459798.9	3779804.8	532.9	3.70	2.33	2.89	YES
L0004683	0	0.28870E-07	459798.8	3779799.8	532.7	3.70	2.33	2.89	YES
L0004684	0	0.28870E-07	459798.8	3779794.8	532.6	3.70	2.33	2.89	YES
L0004685	0	0.28870E-07	459798.8	3779789.8	532.5	3.70	2.33	2.89	YES
L0004686	0	0.28870E-07	459798.7	3779784.8	532.3	3.70	2.33	2.89	YES
L0004687	0	0.28870E-07	459798.7	3779779.8	532.2	3.70	2.33		

2.89 YES
L0004688 0 0.28870E-07 459798.6 3779774.8 532.1 3.70 2.33
2.89 YES
L0004689 0 0.28870E-07 459798.6 3779769.8 532.0 3.70 2.33
2.89 YES
L0004690 0 0.28870E-07 459798.6 3779764.8 531.8 3.70 2.33
2.89 YES
L0004691 0 0.28870E-07 459798.5 3779759.8 531.7 3.70 2.33
2.89 YES

*** VOLUME SOURCE DATA ***

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

L0004702	0	0.26110E-06	459794.9	3777425.0	471.1	3.70	2.33	2.89	YES
L0004703	0	0.26110E-06	459794.8	3777430.0	471.2	3.70	2.33	2.89	YES
L0004704	0	0.26110E-06	459794.7	3777435.0	471.3	3.70	2.33	2.89	YES
L0004705	0	0.26110E-06	459794.5	3777440.0	471.4	3.70	2.33	2.89	YES
L0004706	0	0.26110E-06	459794.4	3777444.9	471.5	3.70	2.33	2.89	YES
L0004707	0	0.26110E-06	459794.3	3777449.9	471.5	3.70	2.33	2.89	YES
L0004708	0	0.26110E-06	459794.2	3777454.9	471.5	3.70	2.33	2.89	YES
L0004709	0	0.26110E-06	459794.0	3777459.9	471.6	3.70	2.33	2.89	YES
L0004710	0	0.26110E-06	459793.9	3777464.9	471.6	3.70	2.33	2.89	YES
L0004711	0	0.26110E-06	459793.8	3777469.9	471.7	3.70	2.33	2.89	YES
L0004712	0	0.26110E-06	459793.7	3777474.9	471.7	3.70	2.33	2.89	YES
L0004713	0	0.26110E-06	459793.5	3777479.9	471.8	3.70	2.33	2.89	YES
L0004714	0	0.26110E-06	459793.4	3777484.9	471.8	3.70	2.33	2.89	YES
L0004715	0	0.26110E-06	459793.3	3777489.9	471.9	3.70	2.33	2.89	YES
L0004716	0	0.26110E-06	459793.1	3777494.9	471.9	3.70	2.33	2.89	YES
L0004717	0	0.26110E-06	459793.0	3777499.9	472.0	3.70	2.33	2.89	YES
L0004718	0	0.26110E-06	459792.9	3777504.9	472.1	3.70	2.33	2.89	YES
L0004719	0	0.26110E-06	459792.8	3777509.9	472.2	3.70	2.33	2.89	YES
L0004720	0	0.26110E-06	459792.6	3777514.9	472.3	3.70	2.33	2.89	YES
L0004721	0	0.26110E-06	459792.5	3777519.9	472.4	3.70	2.33	2.89	YES
L0004722	0	0.26110E-06	459792.4	3777524.9	472.5	3.70	2.33	2.89	YES
L0004723	0	0.26110E-06	459792.3	3777529.9	472.6	3.70	2.33	2.89	YES
L0004724	0	0.26110E-06	459792.1	3777534.9	472.8	3.70	2.33	2.89	YES
L0004725	0	0.26110E-06	459792.0	3777539.9	472.9	3.70	2.33		

2.89 YES
L0004726 0 0.26110E-06 459791.9 3777544.9 473.0 3.70 2.33
2.89 YES
L0004727 0 0.26110E-06 459791.8 3777549.9 473.1 3.70 2.33
2.89 YES
L0004728 0 0.26110E-06 459791.7 3777554.9 473.3 3.70 2.33
2.89 YES
L0004729 0 0.26110E-06 459791.7 3777559.9 473.4 3.70 2.33
2.89 YES
L0004730 0 0.26110E-06 459791.8 3777564.9 473.5 3.70 2.33
2.89 YES
L0004731 0 0.26110E-06 459791.8 3777569.9 473.6 3.70 2.33
2.89 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY SZ SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) BY
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L0004740	0	0.26110E-06	459792.0	3777614.9	474.8	3.70	2.33	2.89	YES
L0004741	0	0.26110E-06	459792.0	3777619.9	474.9	3.70	2.33	2.89	YES
L0004742	0	0.26110E-06	459792.1	3777624.9	475.0	3.70	2.33	2.89	YES
L0004743	0	0.26110E-06	459792.1	3777629.9	475.1	3.70	2.33	2.89	YES
L0004744	0	0.26110E-06	459792.1	3777634.9	475.2	3.70	2.33	2.89	YES
L0004745	0	0.26110E-06	459792.2	3777639.9	475.4	3.70	2.33	2.89	YES
L0004746	0	0.26110E-06	459792.2	3777644.9	475.5	3.70	2.33	2.89	YES
L0004747	0	0.26110E-06	459792.2	3777649.9	475.6	3.70	2.33	2.89	YES
L0004748	0	0.26110E-06	459792.2	3777654.9	475.7	3.70	2.33	2.89	YES
L0004749	0	0.26110E-06	459792.3	3777659.9	475.8	3.70	2.33	2.89	YES
L0004750	0	0.26110E-06	459792.3	3777664.9	475.9	3.70	2.33	2.89	YES
L0004751	0	0.26110E-06	459792.3	3777669.9	476.1	3.70	2.33	2.89	YES
L0004752	0	0.26110E-06	459792.3	3777674.9	476.2	3.70	2.33	2.89	YES
L0004753	0	0.26110E-06	459792.4	3777679.9	476.3	3.70	2.33	2.89	YES
L0004754	0	0.26110E-06	459792.4	3777684.9	476.4	3.70	2.33	2.89	YES
L0004755	0	0.26110E-06	459792.4	3777689.9	476.5	3.70	2.33	2.89	YES
L0004756	0	0.26110E-06	459792.4	3777694.9	476.6	3.70	2.33	2.89	YES
L0004757	0	0.26110E-06	459792.5	3777699.9	476.8	3.70	2.33	2.89	YES
L0004758	0	0.26110E-06	459792.5	3777704.9	476.9	3.70	2.33	2.89	YES
L0004759	0	0.26110E-06	459792.5	3777709.9	477.0	3.70	2.33	2.89	YES
L0004760	0	0.26110E-06	459792.5	3777714.9	477.1	3.70	2.33	2.89	YES
L0004761	0	0.26110E-06	459792.6	3777719.9	477.2	3.70	2.33	2.89	YES
L0004762	0	0.26110E-06	459792.6	3777724.9	477.4	3.70	2.33	2.89	YES
L0004763	0	0.26110E-06	459792.6	3777729.9	477.5	3.70	2.33		

```
2.89     YES
 L0004764         0   0.26110E-06  459792.6 3777734.9   477.6     3.70     2.33
2.89     YES
 L0004765         0   0.26110E-06  459792.7 3777739.9   477.7     3.70     2.33
2.89     YES
 L0004766         0   0.26110E-06  459792.7 3777744.9   477.9     3.70     2.33
2.89     YES
 L0004767         0   0.26110E-06  459792.7 3777749.9   478.0     3.70     2.33
2.89     YES
 L0004768         0   0.26110E-06  459792.7 3777754.9   478.1     3.70     2.33
2.89     YES
 L0004769         0   0.26110E-06  459792.8 3777759.9   478.2     3.70     2.33
2.89     YES
 L0004770         0   0.26110E-06  459792.8 3777764.9   478.4     3.70     2.33
2.89     YES
 L0004771         0   0.26110E-06  459792.8 3777769.9   478.5     3.70     2.33
2.89     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0004772         0   0.26110E-06  459792.8 3777774.9   478.7     3.70     2.33
2.89     YES
 L0004773         0   0.26110E-06  459792.9 3777779.9   478.8     3.70     2.33
2.89     YES
 L0004774         0   0.26110E-06  459792.9 3777784.9   478.9     3.70     2.33
2.89     YES
 L0004775         0   0.26110E-06  459792.9 3777789.9   479.0     3.70     2.33
2.89     YES
 L0004776         0   0.26110E-06  459792.9 3777794.9   479.2     3.70     2.33
2.89     YES
 L0004777         0   0.26110E-06  459793.0 3777799.9   479.3     3.70     2.33
```

L0004778	0	0.26110E-06	459793.0	3777804.9	479.4	3.70	2.33	2.89	YES
L0004779	0	0.26110E-06	459793.0	3777809.9	479.5	3.70	2.33	2.89	YES
L0004780	0	0.26110E-06	459793.0	3777814.9	479.7	3.70	2.33	2.89	YES
L0004781	0	0.26110E-06	459793.1	3777819.9	479.8	3.70	2.33	2.89	YES
L0004782	0	0.26110E-06	459793.1	3777824.9	480.0	3.70	2.33	2.89	YES
L0004783	0	0.26110E-06	459793.1	3777829.9	480.1	3.70	2.33	2.89	YES
L0004784	0	0.26110E-06	459793.1	3777834.9	480.3	3.70	2.33	2.89	YES
L0004785	0	0.26110E-06	459793.2	3777839.9	480.4	3.70	2.33	2.89	YES
L0004786	0	0.26110E-06	459793.2	3777844.9	480.6	3.70	2.33	2.89	YES
L0004787	0	0.26110E-06	459793.2	3777849.9	480.7	3.70	2.33	2.89	YES
L0004788	0	0.26110E-06	459793.2	3777854.9	480.8	3.70	2.33	2.89	YES
L0004789	0	0.26110E-06	459793.3	3777859.9	480.9	3.70	2.33	2.89	YES
L0004790	0	0.26110E-06	459793.3	3777864.9	481.1	3.70	2.33	2.89	YES
L0004791	0	0.26110E-06	459793.3	3777869.9	481.2	3.70	2.33	2.89	YES
L0004792	0	0.26110E-06	459793.3	3777874.9	481.3	3.70	2.33	2.89	YES
L0004793	0	0.26110E-06	459793.4	3777879.9	481.4	3.70	2.33	2.89	YES
L0004794	0	0.26110E-06	459793.4	3777884.9	481.6	3.70	2.33	2.89	YES
L0004795	0	0.26110E-06	459793.4	3777889.9	481.7	3.70	2.33	2.89	YES
L0004796	0	0.26110E-06	459793.5	3777894.9	481.8	3.70	2.33	2.89	YES
L0004797	0	0.26110E-06	459793.5	3777899.9	481.9	3.70	2.33	2.89	YES
L0004798	0	0.26110E-06	459793.5	3777904.9	482.1	3.70	2.33	2.89	YES
L0004799	0	0.26110E-06	459793.5	3777909.9	482.2	3.70	2.33	2.89	YES
L0004800	0	0.26110E-06	459793.6	3777914.9	482.3	3.70	2.33	2.89	YES
L0004801	0	0.26110E-06	459793.6	3777919.9	482.4	3.70	2.33		

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2.89     YES
 L0004802         0   0.26110E-06  459793.6 3777924.9   482.5     3.70     2.33
2.89     YES
 L0004803         0   0.26110E-06  459793.6 3777929.9   482.6     3.70     2.33
2.89     YES
 L0004804         0   0.26110E-06  459793.7 3777934.9   482.8     3.70     2.33
2.89     YES
 L0004805         0   0.26110E-06  459793.7 3777939.9   482.9     3.70     2.33
2.89     YES
 L0004806         0   0.26110E-06  459793.7 3777944.9   483.0     3.70     2.33
2.89     YES
 L0004807         0   0.26110E-06  459793.7 3777949.9   483.2     3.70     2.33
2.89     YES
 L0004808         0   0.26110E-06  459793.8 3777954.9   483.3     3.70     2.33
2.89     YES
 L0004809         0   0.26110E-06  459793.8 3777959.9   483.4     3.70     2.33
2.89     YES
 L0004810         0   0.26110E-06  459793.8 3777964.9   483.6     3.70     2.33
2.89     YES
 L0004811         0   0.26110E-06  459793.8 3777969.9   483.7     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0004812         0   0.26110E-06  459793.9 3777974.9   483.9     3.70     2.33
2.89     YES
 L0004813         0   0.26110E-06  459793.9 3777979.9   484.0     3.70     2.33
2.89     YES
 L0004814         0   0.26110E-06  459793.9 3777984.9   484.2     3.70     2.33
2.89     YES
 L0004815         0   0.26110E-06  459793.9 3777989.9   484.4     3.70     2.33
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L0004816	0	0.26110E-06	459794.0	3777994.9	484.5	3.70	2.33	2.89	YES
L0004817	0	0.26110E-06	459794.0	3777999.9	484.7	3.70	2.33	2.89	YES
L0004818	0	0.26110E-06	459794.0	3778004.9	484.8	3.70	2.33	2.89	YES
L0004819	0	0.26110E-06	459794.0	3778009.9	484.9	3.70	2.33	2.89	YES
L0004820	0	0.26110E-06	459794.1	3778014.9	485.0	3.70	2.33	2.89	YES
L0004821	0	0.26110E-06	459794.1	3778019.9	485.2	3.70	2.33	2.89	YES
L0004822	0	0.26110E-06	459794.1	3778024.9	485.3	3.70	2.33	2.89	YES
L0004823	0	0.26110E-06	459794.1	3778029.9	485.4	3.70	2.33	2.89	YES
L0004824	0	0.26110E-06	459794.2	3778034.9	485.6	3.70	2.33	2.89	YES
L0004825	0	0.26110E-06	459794.2	3778039.9	485.7	3.70	2.33	2.89	YES
L0004826	0	0.26110E-06	459794.2	3778044.9	485.9	3.70	2.33	2.89	YES
L0004827	0	0.26110E-06	459794.2	3778049.9	486.0	3.70	2.33	2.89	YES
L0004828	0	0.26110E-06	459794.3	3778054.9	486.1	3.70	2.33	2.89	YES
L0004829	0	0.26110E-06	459794.3	3778059.9	486.3	3.70	2.33	2.89	YES
L0004830	0	0.26110E-06	459794.3	3778064.9	486.4	3.70	2.33	2.89	YES
L0004831	0	0.26110E-06	459794.3	3778069.9	486.5	3.70	2.33	2.89	YES
L0004832	0	0.26110E-06	459794.4	3778074.9	486.6	3.70	2.33	2.89	YES
L0004833	0	0.26110E-06	459794.4	3778079.9	486.7	3.70	2.33	2.89	YES
L0004834	0	0.26110E-06	459794.4	3778084.9	486.9	3.70	2.33	2.89	YES
L0004835	0	0.26110E-06	459794.4	3778089.9	487.0	3.70	2.33	2.89	YES
L0004836	0	0.26110E-06	459794.5	3778094.9	487.1	3.70	2.33	2.89	YES
L0004837	0	0.26110E-06	459794.5	3778099.9	487.2	3.70	2.33	2.89	YES
L0004838	0	0.26110E-06	459794.5	3778104.9	487.3	3.70	2.33	2.89	YES
L0004839	0	0.26110E-06	459794.5	3778109.9	487.4	3.70	2.33		

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2.89     YES
 L0004840         0   0.26110E-06  459794.6 3778114.9   487.5     3.70     2.33
2.89     YES
 L0004841         0   0.26110E-06  459794.6 3778119.9   487.6     3.70     2.33
2.89     YES
 L0004842         0   0.26110E-06  459794.6 3778124.9   487.7     3.70     2.33
2.89     YES
 L0004843         0   0.26110E-06  459794.6 3778129.9   487.9     3.70     2.33
2.89     YES
 L0004844         0   0.26110E-06  459794.7 3778134.9   488.0     3.70     2.33
2.89     YES
 L0004845         0   0.26110E-06  459794.7 3778139.9   488.1     3.70     2.33
2.89     YES
 L0004846         0   0.26110E-06  459794.7 3778144.9   488.2     3.70     2.33
2.89     YES
 L0004847         0   0.26110E-06  459794.8 3778149.9   488.4     3.70     2.33
2.89     YES
 L0004848         0   0.26110E-06  459794.8 3778154.9   488.5     3.70     2.33
2.89     YES
 L0004849         0   0.26110E-06  459794.8 3778159.9   488.6     3.70     2.33
2.89     YES
 L0004850         0   0.26110E-06  459794.8 3778164.9   488.7     3.70     2.33
2.89     YES
 L0004851         0   0.26110E-06  459794.9 3778169.9   488.8     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0004852         0   0.26110E-06  459794.9 3778174.9   488.9     3.70     2.33
2.89     YES
 L0004853         0   0.26110E-06  459794.9 3778179.9   489.0     3.70     2.33
```

L0004854	0	0.26110E-06	459794.9	3778184.9	489.1	3.70	2.33	2.89	YES
L0004855	0	0.26110E-06	459795.0	3778189.9	489.2	3.70	2.33	2.89	YES
L0004856	0	0.26110E-06	459795.0	3778194.9	489.3	3.70	2.33	2.89	YES
L0004857	0	0.26110E-06	459795.0	3778199.9	489.4	3.70	2.33	2.89	YES
L0004858	0	0.26110E-06	459795.0	3778204.9	489.5	3.70	2.33	2.89	YES
L0004859	0	0.26110E-06	459795.1	3778209.9	489.6	3.70	2.33	2.89	YES
L0004860	0	0.26110E-06	459795.1	3778214.9	489.8	3.70	2.33	2.89	YES
L0004861	0	0.26110E-06	459795.1	3778219.9	489.9	3.70	2.33	2.89	YES
L0004862	0	0.26110E-06	459795.1	3778224.9	490.0	3.70	2.33	2.89	YES
L0004863	0	0.26110E-06	459795.2	3778229.9	490.1	3.70	2.33	2.89	YES
L0004864	0	0.26110E-06	459795.2	3778234.9	490.2	3.70	2.33	2.89	YES
L0004865	0	0.26110E-06	459795.2	3778239.9	490.3	3.70	2.33	2.89	YES
L0004866	0	0.26110E-06	459795.2	3778244.9	490.4	3.70	2.33	2.89	YES
L0004867	0	0.26110E-06	459795.3	3778249.9	490.5	3.70	2.33	2.89	YES
L0004868	0	0.26110E-06	459795.3	3778254.9	490.7	3.70	2.33	2.89	YES
L0004869	0	0.26110E-06	459795.3	3778259.9	490.8	3.70	2.33	2.89	YES
L0004870	0	0.26110E-06	459795.3	3778264.9	490.9	3.70	2.33	2.89	YES
L0004871	0	0.26110E-06	459795.4	3778269.9	491.0	3.70	2.33	2.89	YES
L0004872	0	0.26110E-06	459795.4	3778274.9	491.2	3.70	2.33	2.89	YES
L0004873	0	0.26110E-06	459795.4	3778279.9	491.3	3.70	2.33	2.89	YES
L0004874	0	0.26110E-06	459795.4	3778284.9	491.4	3.70	2.33	2.89	YES
L0004875	0	0.26110E-06	459795.5	3778289.9	491.5	3.70	2.33	2.89	YES
L0004876	0	0.26110E-06	459795.5	3778294.9	491.7	3.70	2.33	2.89	YES
L0004877	0	0.26110E-06	459795.5	3778299.9	491.8	3.70	2.33		

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2.89     YES
 L0004878         0   0.26110E-06  459795.5 3778304.9   491.9     3.70     2.33
2.89     YES
 L0004879         0   0.26110E-06  459795.6 3778309.9   492.0     3.70     2.33
2.89     YES
 L0004880         0   0.26110E-06  459795.6 3778314.9   492.2     3.70     2.33
2.89     YES
 L0004881         0   0.26110E-06  459795.6 3778319.9   492.3     3.70     2.33
2.89     YES
 L0004882         0   0.26110E-06  459795.6 3778324.9   492.5     3.70     2.33
2.89     YES
 L0004883         0   0.26110E-06  459795.7 3778329.9   492.6     3.70     2.33
2.89     YES
 L0004884         0   0.26110E-06  459795.7 3778334.9   492.8     3.70     2.33
2.89     YES
 L0004885         0   0.26110E-06  459795.7 3778339.9   492.9     3.70     2.33
2.89     YES
 L0004886         0   0.26110E-06  459795.7 3778344.9   493.1     3.70     2.33
2.89     YES
 L0004887         0   0.26110E-06  459795.8 3778349.9   493.2     3.70     2.33
2.89     YES
 L0004888         0   0.26110E-06  459795.8 3778354.9   493.4     3.70     2.33
2.89     YES
 L0004889         0   0.26110E-06  459795.8 3778359.9   493.5     3.70     2.33
2.89     YES
 L0004890         0   0.26110E-06  459795.8 3778364.9   493.7     3.70     2.33
2.89     YES
 L0004891         0   0.26110E-06  459795.9 3778369.9   493.8     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0004892	0	0.26110E-06	459795.9	3778374.9	493.9	3.70	2.33	2.89	YES
L0004893	0	0.26110E-06	459795.9	3778379.9	494.1	3.70	2.33	2.89	YES
L0004894	0	0.26110E-06	459795.9	3778384.9	494.2	3.70	2.33	2.89	YES
L0004895	0	0.26110E-06	459796.0	3778389.9	494.3	3.70	2.33	2.89	YES
L0004896	0	0.26110E-06	459796.0	3778394.9	494.5	3.70	2.33	2.89	YES
L0004897	0	0.26110E-06	459796.0	3778399.9	494.6	3.70	2.33	2.89	YES
L0004898	0	0.26110E-06	459796.0	3778404.9	494.7	3.70	2.33	2.89	YES
L0004899	0	0.26110E-06	459796.1	3778409.9	494.8	3.70	2.33	2.89	YES
L0004900	0	0.26110E-06	459796.1	3778414.9	494.9	3.70	2.33	2.89	YES
L0004901	0	0.26110E-06	459796.1	3778419.9	495.1	3.70	2.33	2.89	YES
L0004902	0	0.26110E-06	459796.1	3778424.9	495.2	3.70	2.33	2.89	YES
L0004903	0	0.26110E-06	459796.2	3778429.9	495.3	3.70	2.33	2.89	YES
L0004904	0	0.26110E-06	459796.2	3778434.9	495.4	3.70	2.33	2.89	YES
L0004905	0	0.26110E-06	459796.2	3778439.9	495.6	3.70	2.33	2.89	YES
L0004906	0	0.26110E-06	459796.3	3778444.9	495.7	3.70	2.33	2.89	YES
L0004907	0	0.26110E-06	459796.3	3778449.9	495.9	3.70	2.33	2.89	YES
L0004908	0	0.26110E-06	459796.3	3778454.9	496.0	3.70	2.33	2.89	YES
L0004909	0	0.26110E-06	459796.3	3778459.9	496.2	3.70	2.33	2.89	YES
L0004910	0	0.26110E-06	459796.4	3778464.9	496.3	3.70	2.33	2.89	YES
L0004911	0	0.26110E-06	459796.4	3778469.9	496.4	3.70	2.33	2.89	YES
L0004912	0	0.26110E-06	459796.4	3778474.9	496.5	3.70	2.33	2.89	YES
L0004913	0	0.26110E-06	459796.4	3778479.9	496.7	3.70	2.33	2.89	YES
L0004914	0	0.26110E-06	459796.5	3778484.9	496.8	3.70	2.33	2.89	YES
L0004915	0	0.26110E-06	459796.5	3778489.9	496.9	3.70	2.33		

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2.89     YES
 L0004916         0   0.26110E-06  459796.5 3778494.9   497.1     3.70     2.33
2.89     YES
 L0004917         0   0.26110E-06  459796.5 3778499.9   497.2     3.70     2.33
2.89     YES
 L0004918         0   0.26110E-06  459796.6 3778504.9   497.4     3.70     2.33
2.89     YES
 L0004919         0   0.26110E-06  459796.6 3778509.9   497.5     3.70     2.33
2.89     YES
 L0004920         0   0.26110E-06  459796.6 3778514.9   497.6     3.70     2.33
2.89     YES
 L0004921         0   0.26110E-06  459796.6 3778519.9   497.8     3.70     2.33
2.89     YES
 L0004922         0   0.26110E-06  459796.7 3778524.9   497.9     3.70     2.33
2.89     YES
 L0004923         0   0.26110E-06  459796.7 3778529.9   498.1     3.70     2.33
2.89     YES
 L0004924         0   0.26110E-06  459796.7 3778534.9   498.2     3.70     2.33
2.89     YES
 L0004925         0   0.26110E-06  459796.7 3778539.9   498.4     3.70     2.33
2.89     YES
 L0004926         0   0.26110E-06  459796.8 3778544.9   498.6     3.70     2.33
2.89     YES
 L0004927         0   0.26110E-06  459796.8 3778549.9   498.7     3.70     2.33
2.89     YES
 L0004928         0   0.26110E-06  459796.8 3778554.9   498.8     3.70     2.33
2.89     YES
 L0004929         0   0.26110E-06  459796.8 3778559.9   499.0     3.70     2.33
2.89     YES
 L0004930         0   0.26110E-06  459796.9 3778564.9   499.1     3.70     2.33
2.89     YES
 L0004931         0   0.26110E-06  459796.9 3778569.9   499.2     3.70     2.33
2.89     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0004932	0	0.26110E-06	459796.9	3778574.9	499.4	3.70	2.33	2.89 YES
L0004933	0	0.26110E-06	459796.9	3778579.9	499.5	3.70	2.33	2.89 YES
L0004934	0	0.26110E-06	459797.0	3778584.9	499.7	3.70	2.33	2.89 YES
L0004935	0	0.26110E-06	459797.0	3778589.9	499.8	3.70	2.33	2.89 YES
L0004936	0	0.26110E-06	459797.0	3778594.9	500.0	3.70	2.33	2.89 YES
L0004937	0	0.26110E-06	459797.0	3778599.9	500.1	3.70	2.33	2.89 YES
L0004938	0	0.26110E-06	459797.1	3778604.9	500.3	3.70	2.33	2.89 YES
L0004939	0	0.26110E-06	459797.1	3778609.9	500.4	3.70	2.33	2.89 YES
L0004940	0	0.26110E-06	459797.1	3778614.9	500.6	3.70	2.33	2.89 YES
L0004941	0	0.26110E-06	459797.1	3778619.9	500.7	3.70	2.33	2.89 YES
L0004942	0	0.26110E-06	459797.2	3778624.9	500.8	3.70	2.33	2.89 YES
L0004943	0	0.26110E-06	459797.2	3778629.9	500.9	3.70	2.33	2.89 YES
L0004944	0	0.26110E-06	459797.2	3778634.9	501.0	3.70	2.33	2.89 YES
L0004945	0	0.26110E-06	459797.2	3778639.9	501.2	3.70	2.33	2.89 YES
L0004946	0	0.26110E-06	459797.3	3778644.9	501.3	3.70	2.33	2.89 YES
L0004947	0	0.26110E-06	459797.3	3778649.9	501.4	3.70	2.33	2.89 YES
L0004948	0	0.26110E-06	459797.3	3778654.9	501.5	3.70	2.33	2.89 YES
L0004949	0	0.26110E-06	459797.3	3778659.9	501.6	3.70	2.33	2.89 YES
L0004950	0	0.26110E-06	459797.4	3778664.9	501.7	3.70	2.33	2.89 YES
L0004951	0	0.26110E-06	459797.4	3778669.9	501.9	3.70	2.33	2.89 YES
L0004952	0	0.26110E-06	459797.4	3778674.9	502.0	3.70	2.33	2.89 YES
L0004953	0	0.26110E-06	459797.4	3778679.9	502.1	3.70	2.33	

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2.89     YES
 L0004954         0   0.26110E-06  459797.5 3778684.9   502.3     3.70     2.33
2.89     YES
 L0004955         0   0.26110E-06  459797.5 3778689.9   502.4     3.70     2.33
2.89     YES
 L0004956         0   0.26110E-06  459797.5 3778694.9   502.5     3.70     2.33
2.89     YES
 L0004957         0   0.26110E-06  459797.6 3778699.9   502.7     3.70     2.33
2.89     YES
 L0004958         0   0.26110E-06  459797.6 3778704.9   502.8     3.70     2.33
2.89     YES
 L0004959         0   0.26110E-06  459797.6 3778709.9   503.0     3.70     2.33
2.89     YES
 L0004960         0   0.26110E-06  459797.6 3778714.9   503.1     3.70     2.33
2.89     YES
 L0004961         0   0.26110E-06  459797.7 3778719.9   503.2     3.70     2.33
2.89     YES
 L0004962         0   0.26110E-06  459797.7 3778724.9   503.4     3.70     2.33
2.89     YES
 L0004963         0   0.26110E-06  459797.7 3778729.9   503.5     3.70     2.33
2.89     YES
 L0004964         0   0.26110E-06  459797.7 3778734.9   503.7     3.70     2.33
2.89     YES
 L0004965         0   0.26110E-06  459797.8 3778739.9   503.8     3.70     2.33
2.89     YES
 L0004966         0   0.26110E-06  459797.8 3778744.9   503.9     3.70     2.33
2.89     YES
 L0004967         0   0.26110E-06  459797.8 3778749.9   504.1     3.70     2.33
2.89     YES
 L0004968         0   0.26110E-06  459797.8 3778754.9   504.2     3.70     2.33
2.89     YES
 L0004969         0   0.26110E-06  459797.9 3778759.9   504.3     3.70     2.33
2.89     YES
 L0004970         0   0.26110E-06  459797.9 3778764.9   504.4     3.70     2.33
2.89     YES
 L0004971         0   0.26110E-06  459797.9 3778769.9   504.6     3.70     2.33
2.89     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:59:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

 L0004972         0   0.26110E-06  459797.9 3778774.9   504.7     3.70     2.33
2.89     YES
 L0004973         0   0.26110E-06  459798.0 3778779.9   504.8     3.70     2.33
2.89     YES
 L0004974         0   0.26110E-06  459798.0 3778784.9   504.9     3.70     2.33
2.89     YES
 L0004975         0   0.26110E-06  459798.0 3778789.9   505.1     3.70     2.33
2.89     YES
 L0004976         0   0.26110E-06  459798.0 3778794.9   505.2     3.70     2.33
2.89     YES
 L0004977         0   0.26110E-06  459798.1 3778799.9   505.3     3.70     2.33
2.89     YES
 L0004978         0   0.26110E-06  459798.1 3778804.9   505.4     3.70     2.33
2.89     YES
 L0004979         0   0.26110E-06  459798.1 3778809.9   505.6     3.70     2.33
2.89     YES
 L0004980         0   0.26110E-06  459798.1 3778814.9   505.7     3.70     2.33
2.89     YES
 L0004981         0   0.26110E-06  459798.2 3778819.9   505.9     3.70     2.33
2.89     YES
 L0004982         0   0.26110E-06  459798.2 3778824.9   506.0     3.70     2.33
2.89     YES
 L0004983         0   0.26110E-06  459798.2 3778829.9   506.1     3.70     2.33
2.89     YES
 L0004984         0   0.26110E-06  459798.2 3778834.9   506.2     3.70     2.33
2.89     YES
 L0004985         0   0.26110E-06  459798.3 3778839.9   506.4     3.70     2.33
2.89     YES
 L0004986         0   0.26110E-06  459798.3 3778844.9   506.5     3.70     2.33
2.89     YES
 L0004987         0   0.26110E-06  459798.3 3778849.9   506.7     3.70     2.33
2.89     YES
 L0004988         0   0.26110E-06  459798.3 3778854.9   506.8     3.70     2.33
2.89     YES
 L0004989         0   0.26110E-06  459798.4 3778859.9   506.9     3.70     2.33
2.89     YES
 L0004990         0   0.26110E-06  459798.4 3778864.9   507.1     3.70     2.33
2.89     YES
 L0004991         0   0.26110E-06  459798.4 3778869.9   507.2     3.70     2.33
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2.89 YES
L0004992 0 0.26110E-06 459798.4 3778874.9 507.3 3.70 2.33
2.89 YES
L0004993 0 0.26110E-06 459798.5 3778879.9 507.4 3.70 2.33
2.89 YES
L0004994 0 0.26110E-06 459798.5 3778884.9 507.6 3.70 2.33
2.89 YES
L0004995 0 0.26110E-06 459798.5 3778889.9 507.7 3.70 2.33
2.89 YES
L0004996 0 0.26110E-06 459798.5 3778894.9 507.8 3.70 2.33
2.89 YES
L0004997 0 0.26110E-06 459798.6 3778899.9 507.9 3.70 2.33
2.89 YES
L0004998 0 0.26110E-06 459798.6 3778904.9 508.0 3.70 2.33
2.89 YES
L0004999 0 0.26110E-06 459798.6 3778909.9 508.2 3.70 2.33
2.89 YES
L0005000 0 0.26110E-06 459798.6 3778914.9 508.2 3.70 2.33
2.89 YES
L0005001 0 0.26110E-06 459798.7 3778919.9 508.4 3.70 2.33
2.89 YES
L0005002 0 0.26110E-06 459798.7 3778924.9 508.5 3.70 2.33
2.89 YES
L0005003 0 0.26110E-06 459798.7 3778929.9 508.6 3.70 2.33
2.89 YES
L0005004 0 0.26110E-06 459798.7 3778934.9 508.8 3.70 2.33
2.89 YES
L0005005 0 0.26110E-06 459798.7 3778939.9 508.9 3.70 2.33
2.89 YES
L0005006 0 0.26110E-06 459798.7 3778944.9 509.0 3.70 2.33
2.89 YES
L0005007 0 0.26110E-06 459798.7 3778949.9 509.2 3.70 2.33
2.89 YES
L0005008 0 0.26110E-06 459798.6 3778954.9 509.3 3.70 2.33
2.89 YES
L0005009 0 0.26110E-06 459798.6 3778959.9 509.5 3.70 2.33
2.89 YES
L0005010 0 0.26110E-06 459798.6 3778964.9 509.6 3.70 2.33
2.89 YES
L0005011 0 0.26110E-06 459798.6 3778969.9 509.7 3.70 2.33
2.89 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005012	0	0.26110E-06	459798.6	3778974.9	509.9	3.70	2.33	2.89	YES	
L0005013	0	0.26110E-06	459798.6	3778979.9	510.0	3.70	2.33	2.89	YES	
L0005014	0	0.26110E-06	459798.6	3778984.9	510.2	3.70	2.33	2.89	YES	
L0005015	0	0.26110E-06	459798.6	3778989.9	510.3	3.70	2.33	2.89	YES	
L0005016	0	0.26110E-06	459798.6	3778994.9	510.4	3.70	2.33	2.89	YES	
L0005017	0	0.26110E-06	459798.6	3778999.9	510.6	3.70	2.33	2.89	YES	
L0005018	0	0.26110E-06	459798.6	3779004.9	510.7	3.70	2.33	2.89	YES	
L0005019	0	0.26110E-06	459798.6	3779009.9	510.9	3.70	2.33	2.89	YES	
L0005020	0	0.26110E-06	459798.6	3779014.9	511.0	3.70	2.33	2.89	YES	
L0005021	0	0.26110E-06	459798.6	3779019.9	511.2	3.70	2.33	2.89	YES	
L0005022	0	0.26110E-06	459798.6	3779024.9	511.3	3.70	2.33	2.89	YES	
L0005023	0	0.26110E-06	459798.6	3779029.9	511.4	3.70	2.33	2.89	YES	
L0005024	0	0.26110E-06	459798.6	3779034.9	511.6	3.70	2.33	2.89	YES	
L0005025	0	0.26110E-06	459798.6	3779039.9	511.7	3.70	2.33	2.89	YES	
L0005026	0	0.26110E-06	459798.6	3779044.9	511.9	3.70	2.33	2.89	YES	
L0005027	0	0.26110E-06	459798.6	3779049.9	512.0	3.70	2.33	2.89	YES	
L0005028	0	0.26110E-06	459798.6	3779054.9	512.2	3.70	2.33	2.89	YES	
L0005029	0	0.26110E-06	459798.6	3779059.9	512.3	3.70	2.33			

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2.89     YES
 L0005030         0   0.26110E-06  459798.6 3779064.9   512.5     3.70     2.33
2.89     YES
 L0005031         0   0.26110E-06  459798.6 3779069.9   512.7     3.70     2.33
2.89     YES
 L0005032         0   0.26110E-06  459798.6 3779074.9   512.8     3.70     2.33
2.89     YES
 L0005033         0   0.26110E-06  459798.6 3779079.9   512.9     3.70     2.33
2.89     YES
 L0005034         0   0.26110E-06  459798.6 3779084.9   513.1     3.70     2.33
2.89     YES
 L0005035         0   0.26110E-06  459798.6 3779089.9   513.2     3.70     2.33
2.89     YES
 L0005036         0   0.26110E-06  459798.6 3779094.9   513.3     3.70     2.33
2.89     YES
 L0005037         0   0.26110E-06  459798.6 3779099.9   513.4     3.70     2.33
2.89     YES
 L0005038         0   0.26110E-06  459798.6 3779104.9   513.6     3.70     2.33
2.89     YES
 L0005039         0   0.26110E-06  459798.6 3779109.9   513.7     3.70     2.33
2.89     YES
 L0005040         0   0.26110E-06  459798.6 3779114.9   513.8     3.70     2.33
2.89     YES
 L0005041         0   0.26110E-06  459798.6 3779119.9   513.9     3.70     2.33
2.89     YES
 L0005042         0   0.26110E-06  459798.6 3779124.9   514.0     3.70     2.33
2.89     YES
 L0005043         0   0.26110E-06  459798.6 3779129.9   514.1     3.70     2.33
2.89     YES
 L0005044         0   0.26110E-06  459798.6 3779134.9   514.2     3.70     2.33
2.89     YES
 L0005045         0   0.26110E-06  459798.6 3779139.9   514.3     3.70     2.33
2.89     YES
 L0005046         0   0.26110E-06  459798.6 3779144.9   514.5     3.70     2.33
2.89     YES
 L0005047         0   0.26110E-06  459798.6 3779149.9   514.6     3.70     2.33
2.89     YES
 L0005048         0   0.26110E-06  459798.6 3779154.9   514.7     3.70     2.33
2.89     YES
 L0005049         0   0.26110E-06  459798.6 3779159.9   514.8     3.70     2.33
2.89     YES
 L0005050         0   0.26110E-06  459798.6 3779164.9   514.9     3.70     2.33
2.89     YES
 L0005051         0   0.26110E-06  459798.6 3779169.9   515.0     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005052	0	0.26110E-06	459798.6	3779174.9	515.2	3.70	2.33	2.89	YES	
L0005053	0	0.26110E-06	459798.6	3779179.9	515.3	3.70	2.33	2.89	YES	
L0005054	0	0.26110E-06	459798.6	3779184.9	515.4	3.70	2.33	2.89	YES	
L0005055	0	0.26110E-06	459798.6	3779189.9	515.5	3.70	2.33	2.89	YES	
L0005056	0	0.26110E-06	459798.6	3779194.9	515.7	3.70	2.33	2.89	YES	
L0005057	0	0.26110E-06	459798.6	3779199.9	515.8	3.70	2.33	2.89	YES	
L0005058	0	0.26110E-06	459798.5	3779204.9	515.9	3.70	2.33	2.89	YES	
L0005059	0	0.26110E-06	459798.5	3779209.9	516.1	3.70	2.33	2.89	YES	
L0005060	0	0.26110E-06	459798.5	3779214.9	516.2	3.70	2.33	2.89	YES	
L0005061	0	0.26110E-06	459798.5	3779219.9	516.3	3.70	2.33	2.89	YES	
L0005062	0	0.26110E-06	459798.5	3779224.9	516.4	3.70	2.33	2.89	YES	
L0005063	0	0.26110E-06	459798.5	3779229.9	516.6	3.70	2.33	2.89	YES	
L0005064	0	0.26110E-06	459798.5	3779234.9	516.7	3.70	2.33	2.89	YES	
L0005065	0	0.26110E-06	459798.5	3779239.9	516.8	3.70	2.33	2.89	YES	
L0005066	0	0.26110E-06	459798.5	3779244.9	517.0	3.70	2.33	2.89	YES	
L0005067	0	0.26110E-06	459798.5	3779249.9	517.1	3.70	2.33			

L0005068	0	0.26110E-06	459798.5	3779254.9	517.2	3.70	2.33	2.89	YES
L0005069	0	0.26110E-06	459798.5	3779259.9	517.4	3.70	2.33	2.89	YES
L0005070	0	0.26110E-06	459798.5	3779264.9	517.5	3.70	2.33	2.89	YES
L0005071	0	0.26110E-06	459798.5	3779269.9	517.6	3.70	2.33	2.89	YES
L0005072	0	0.26110E-06	459798.5	3779274.9	517.8	3.70	2.33	2.89	YES
L0005073	0	0.26110E-06	459798.5	3779279.9	517.9	3.70	2.33	2.89	YES
L0005074	0	0.26110E-06	459798.5	3779284.9	518.1	3.70	2.33	2.89	YES
L0005075	0	0.26110E-06	459798.5	3779289.9	518.2	3.70	2.33	2.89	YES
L0005076	0	0.26110E-06	459798.5	3779294.9	518.3	3.70	2.33	2.89	YES
L0005077	0	0.26110E-06	459798.5	3779299.9	518.5	3.70	2.33	2.89	YES
L0005078	0	0.26110E-06	459798.5	3779304.9	518.7	3.70	2.33	2.89	YES
L0005079	0	0.26110E-06	459798.5	3779309.9	518.8	3.70	2.33	2.89	YES
L0005080	0	0.26110E-06	459798.5	3779314.9	519.0	3.70	2.33	2.89	YES
L0005081	0	0.26110E-06	459798.5	3779319.9	519.1	3.70	2.33	2.89	YES
L0005082	0	0.26110E-06	459798.5	3779324.9	519.3	3.70	2.33	2.89	YES
L0005083	0	0.26110E-06	459798.5	3779329.9	519.4	3.70	2.33	2.89	YES
L0005084	0	0.26110E-06	459798.5	3779334.9	519.5	3.70	2.33	2.89	YES
L0005085	0	0.26110E-06	459798.5	3779339.9	519.7	3.70	2.33	2.89	YES
L0005086	0	0.26110E-06	459798.5	3779344.9	519.8	3.70	2.33	2.89	YES
L0005087	0	0.26110E-06	459798.5	3779349.9	520.0	3.70	2.33	2.89	YES
L0005088	0	0.26110E-06	459798.5	3779354.9	520.1	3.70	2.33	2.89	YES
L0005089	0	0.26110E-06	459798.5	3779359.9	520.2	3.70	2.33	2.89	YES
L0005090	0	0.26110E-06	459798.5	3779364.9	520.3	3.70	2.33	2.89	YES
L0005091	0	0.26110E-06	459798.5	3779369.9	520.4	3.70	2.33		

2.89 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005092	0	0.26110E-06	459798.5	3779374.9	520.6	3.70	2.33	2.89	YES	
L0005093	0	0.26110E-06	459798.5	3779379.9	520.7	3.70	2.33	2.89	YES	
L0005094	0	0.26110E-06	459798.5	3779384.9	520.8	3.70	2.33	2.89	YES	
L0005095	0	0.26110E-06	459798.5	3779389.9	520.9	3.70	2.33	2.89	YES	
L0005096	0	0.26110E-06	459798.5	3779394.9	521.1	3.70	2.33	2.89	YES	
L0005097	0	0.26110E-06	459798.5	3779399.9	521.2	3.70	2.33	2.89	YES	
L0005098	0	0.26110E-06	459798.5	3779404.9	521.3	3.70	2.33	2.89	YES	
L0005099	0	0.26110E-06	459798.5	3779409.9	521.4	3.70	2.33	2.89	YES	
L0005100	0	0.26110E-06	459798.5	3779414.9	521.6	3.70	2.33	2.89	YES	
L0005101	0	0.26110E-06	459798.5	3779419.9	521.7	3.70	2.33	2.89	YES	
L0005102	0	0.26110E-06	459798.5	3779424.9	521.9	3.70	2.33	2.89	YES	
L0005103	0	0.26110E-06	459798.5	3779429.9	522.0	3.70	2.33	2.89	YES	
L0005104	0	0.26110E-06	459798.5	3779434.9	522.1	3.70	2.33	2.89	YES	
L0005105	0	0.26110E-06	459798.5	3779439.9	522.3	3.70	2.33			

L0005106	0	0.26110E-06	459798.5	3779444.9	522.4	3.70	2.33	2.89	YES
L0005107	0	0.26110E-06	459798.5	3779449.9	522.5	3.70	2.33	2.89	YES
L0005108	0	0.26110E-06	459798.4	3779454.9	522.7	3.70	2.33	2.89	YES
L0005109	0	0.26110E-06	459798.4	3779459.9	522.8	3.70	2.33	2.89	YES
L0005110	0	0.26110E-06	459798.4	3779464.9	523.0	3.70	2.33	2.89	YES
L0005111	0	0.26110E-06	459798.4	3779469.9	523.1	3.70	2.33	2.89	YES
L0005112	0	0.26110E-06	459798.4	3779474.9	523.3	3.70	2.33	2.89	YES
L0005113	0	0.26110E-06	459798.4	3779479.9	523.4	3.70	2.33	2.89	YES
L0005114	0	0.26110E-06	459798.4	3779484.9	523.5	3.70	2.33	2.89	YES
L0005115	0	0.26110E-06	459798.4	3779489.9	523.7	3.70	2.33	2.89	YES
L0005116	0	0.26110E-06	459798.4	3779494.9	523.8	3.70	2.33	2.89	YES
L0005117	0	0.26110E-06	459798.4	3779499.9	524.0	3.70	2.33	2.89	YES
L0005118	0	0.26110E-06	459798.4	3779504.9	524.1	3.70	2.33	2.89	YES
L0005119	0	0.26110E-06	459798.4	3779509.9	524.2	3.70	2.33	2.89	YES
L0005120	0	0.26110E-06	459798.4	3779514.9	524.4	3.70	2.33	2.89	YES
L0005121	0	0.26110E-06	459798.4	3779519.9	524.5	3.70	2.33	2.89	YES
L0005122	0	0.26110E-06	459798.4	3779524.9	524.7	3.70	2.33	2.89	YES
L0005123	0	0.26110E-06	459798.4	3779529.9	524.8	3.70	2.33	2.89	YES
L0005124	0	0.26110E-06	459798.4	3779534.9	524.9	3.70	2.33	2.89	YES
L0005125	0	0.26110E-06	459798.4	3779539.9	525.1	3.70	2.33	2.89	YES
L0005126	0	0.26110E-06	459798.4	3779544.9	525.2	3.70	2.33	2.89	YES
L0005127	0	0.26110E-06	459798.4	3779549.9	525.4	3.70	2.33	2.89	YES
L0005128	0	0.26110E-06	459798.4	3779554.9	525.5	3.70	2.33	2.89	YES
L0005129	0	0.26110E-06	459798.4	3779559.9	525.7	3.70	2.33		

2.89 YES
L0005130 0 0.26110E-06 459798.4 3779564.9 525.8 3.70 2.33
2.89 YES
L0005131 0 0.26110E-06 459798.4 3779569.9 526.0 3.70 2.33
2.89 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0005144	0	0.26110E-06	459798.4	3779634.9	527.9	3.70	2.33	2.89	YES
L0005145	0	0.26110E-06	459798.4	3779639.9	528.1	3.70	2.33	2.89	YES
L0005146	0	0.26110E-06	459798.4	3779644.9	528.2	3.70	2.33	2.89	YES
L0005147	0	0.26110E-06	459798.4	3779649.9	528.4	3.70	2.33	2.89	YES
L0005148	0	0.26110E-06	459798.4	3779654.9	528.5	3.70	2.33	2.89	YES
L0005149	0	0.26110E-06	459798.4	3779659.9	528.7	3.70	2.33	2.89	YES
L0005150	0	0.26110E-06	459798.4	3779664.9	528.9	3.70	2.33	2.89	YES
L0005151	0	0.26110E-06	459798.4	3779669.9	529.0	3.70	2.33	2.89	YES
L0005152	0	0.26110E-06	459798.4	3779674.9	529.2	3.70	2.33	2.89	YES
L0005153	0	0.26110E-06	459798.4	3779679.9	529.3	3.70	2.33	2.89	YES
L0005154	0	0.26110E-06	459798.4	3779684.9	529.5	3.70	2.33	2.89	YES
L0005155	0	0.26110E-06	459798.4	3779689.9	529.7	3.70	2.33	2.89	YES
L0005156	0	0.26110E-06	459798.4	3779694.9	529.8	3.70	2.33	2.89	YES
L0005157	0	0.26110E-06	459798.4	3779699.9	530.0	3.70	2.33	2.89	YES
L0005158	0	0.26110E-06	459798.3	3779704.9	530.2	3.70	2.33	2.89	YES
L0005159	0	0.26110E-06	459798.3	3779709.9	530.3	3.70	2.33	2.89	YES
L0005160	0	0.26110E-06	459798.3	3779714.9	530.5	3.70	2.33	2.89	YES
L0005161	0	0.26110E-06	459798.3	3779719.9	530.7	3.70	2.33	2.89	YES
L0005162	0	0.26110E-06	459798.3	3779724.9	530.8	3.70	2.33	2.89	YES
L0005163	0	0.26110E-06	459798.3	3779729.9	530.9	3.70	2.33	2.89	YES
L0005164	0	0.26110E-06	459798.3	3779734.9	531.1	3.70	2.33	2.89	YES
L0005165	0	0.26110E-06	459798.3	3779739.9	531.2	3.70	2.33	2.89	YES
L0005166	0	0.35890E-06	459803.7	3779743.4	531.3	3.70	2.33	2.89	YES
L0005167	0	0.35890E-06	459808.7	3779743.3	531.3	3.70	2.33		

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2.89     YES
 L0005168         0   0.35890E-06  459813.7 3779743.3   531.3     3.70     2.33
2.89     YES
 L0005169         0   0.35890E-06  459818.7 3779743.3   531.3     3.70     2.33
2.89     YES
 L0005170         0   0.35890E-06  459823.7 3779743.2   531.3     3.70     2.33
2.89     YES
 L0005171         0   0.35890E-06  459828.7 3779743.2   531.4     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

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

 L0005172         0   0.35890E-06  459833.7 3779743.2   531.4     3.70     2.33
2.89     YES
 L0005173         0   0.35890E-06  459838.7 3779743.2   531.4     3.70     2.33
2.89     YES
 L0005174         0   0.35890E-06  459843.7 3779743.1   531.4     3.70     2.33
2.89     YES
 L0005175         0   0.35890E-06  459848.7 3779743.1   531.3     3.70     2.33
2.89     YES
 L0005176         0   0.35890E-06  459853.7 3779743.1   531.3     3.70     2.33
2.89     YES
 L0005177         0   0.35890E-06  459858.7 3779743.0   531.3     3.70     2.33
2.89     YES
 L0005178         0   0.35890E-06  459863.7 3779743.0   531.2     3.70     2.33
2.89     YES
 L0005179         0   0.35890E-06  459868.7 3779743.0   531.2     3.70     2.33
2.89     YES
 L0005180         0   0.35890E-06  459873.7 3779742.9   531.2     3.70     2.33
2.89     YES
 L0005181         0   0.35890E-06  459878.7 3779742.9   531.2     3.70     2.33
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L0005182	0	0.35890E-06	459883.7	3779742.9	531.2	3.70	2.33	2.89	YES
L0005183	0	0.35890E-06	459888.7	3779742.8	531.2	3.70	2.33	2.89	YES
L0005184	0	0.35890E-06	459893.7	3779742.8	531.2	3.70	2.33	2.89	YES
L0005185	0	0.17640E-06	459898.0	3779743.1	531.2	3.70	2.33	2.89	YES
L0005186	0	0.17640E-06	459903.0	3779743.1	531.2	3.70	2.33	2.89	YES
L0005187	0	0.17640E-06	459908.0	3779743.0	531.3	3.70	2.33	2.89	YES
L0005188	0	0.17640E-06	459913.0	3779743.0	531.3	3.70	2.33	2.89	YES
L0005189	0	0.17640E-06	459918.0	3779743.0	531.3	3.70	2.33	2.89	YES
L0005190	0	0.17640E-06	459923.0	3779743.0	531.3	3.70	2.33	2.89	YES
L0005191	0	0.17640E-06	459928.0	3779743.0	531.3	3.70	2.33	2.89	YES
L0005192	0	0.17640E-06	459933.0	3779742.9	531.3	3.70	2.33	2.89	YES
L0005193	0	0.17640E-06	459938.0	3779742.9	531.3	3.70	2.33	2.89	YES
L0005194	0	0.17640E-06	459943.0	3779742.9	531.4	3.70	2.33	2.89	YES
L0005195	0	0.17640E-06	459948.0	3779742.9	531.4	3.70	2.33	2.89	YES
L0005196	0	0.17640E-06	459953.0	3779742.8	531.4	3.70	2.33	2.89	YES
L0005197	0	0.17640E-06	459958.0	3779742.8	531.4	3.70	2.33	2.89	YES
L0005198	0	0.17640E-06	459963.0	3779742.8	531.4	3.70	2.33	2.89	YES
L0005199	0	0.17640E-06	459968.0	3779742.8	531.4	3.70	2.33	2.89	YES
L0005200	0	0.17640E-06	459973.0	3779742.7	531.4	3.70	2.33	2.89	YES
L0005201	0	0.17640E-06	459978.0	3779742.7	531.4	3.70	2.33	2.89	YES
L0005202	0	0.17640E-06	459983.0	3779742.7	531.4	3.70	2.33	2.89	YES
L0005203	0	0.17640E-06	459988.0	3779742.7	531.4	3.70	2.33	2.89	YES
L0005204	0	0.17640E-06	459993.0	3779742.6	531.4	3.70	2.33	2.89	YES
L0005205	0	0.17640E-06	459998.0	3779742.6	531.4	3.70	2.33		

2.89 YES
L0005206 0 0.17640E-06 460003.0 3779742.6 531.4 3.70 2.33
2.89 YES
L0005207 0 0.17640E-06 460008.0 3779742.6 531.4 3.70 2.33
2.89 YES
L0005208 0 0.17640E-06 460013.0 3779742.6 531.4 3.70 2.33
2.89 YES
L0005209 0 0.17640E-06 460018.0 3779742.5 531.4 3.70 2.33
2.89 YES
L0005210 0 0.17640E-06 460023.0 3779742.5 531.3 3.70 2.33
2.89 YES
L0005211 0 0.17640E-06 460028.0 3779742.5 531.3 3.70 2.33
2.89 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0005220	0	0.17640E-06	460073.0	3779742.3	530.9	3.70	2.33	2.89	YES
L0005221	0	0.17640E-06	460078.0	3779742.3	530.8	3.70	2.33	2.89	YES
L0005222	0	0.17640E-06	460083.0	3779742.2	530.7	3.70	2.33	2.89	YES
L0005223	0	0.17640E-06	460088.0	3779742.2	530.6	3.70	2.33	2.89	YES
L0005224	0	0.99230E-07	459893.7	3779748.0	531.3	3.70	1.67	2.89	YES
L0005225	0	0.99230E-07	459893.7	3779751.6	531.4	3.70	1.67	2.89	YES
L0005226	0	0.99230E-07	459893.7	3779755.2	531.5	3.70	1.67	2.89	YES
L0005227	0	0.99230E-07	459893.7	3779758.8	531.6	3.70	1.67	2.89	YES
L0005228	0	0.99230E-07	459893.7	3779762.4	531.7	3.70	1.67	2.89	YES
L0005229	0	0.99230E-07	459893.7	3779766.0	531.8	3.70	1.67	2.89	YES
L0005230	0	0.99230E-07	459893.7	3779769.6	531.9	3.70	1.67	2.89	YES
L0005231	0	0.99230E-07	459893.7	3779773.2	532.0	3.70	1.67	2.89	YES
L0005232	0	0.99230E-07	459893.7	3779776.8	532.1	3.70	1.67	2.89	YES
L0005233	0	0.99230E-07	459893.7	3779780.4	532.1	3.70	1.67	2.89	YES
L0005234	0	0.99230E-07	459893.7	3779784.0	532.2	3.70	1.67	2.89	YES
L0005235	0	0.99230E-07	459893.7	3779787.6	532.3	3.70	1.67	2.89	YES
L0005236	0	0.99230E-07	459893.7	3779791.2	532.4	3.70	1.67	2.89	YES
L0005237	0	0.94350E-07	460090.7	3779746.5	530.7	3.70	1.67	2.89	YES
L0005238	0	0.94350E-07	460090.6	3779750.1	530.8	3.70	1.67	2.89	YES
L0005239	0	0.94350E-07	460090.4	3779753.7	530.9	3.70	1.67	2.89	YES
L0005240	0	0.94350E-07	460090.3	3779757.3	530.9	3.70	1.67	2.89	YES
L0005241	0	0.94350E-07	460090.1	3779760.9	531.0	3.70	1.67	2.89	YES
L0005242	0	0.94350E-07	460089.7	3779764.5	531.1	3.70	1.67	2.89	YES
L0005243	0	0.94350E-07	460089.2	3779768.0	531.2	3.70	1.67		

2.89 YES
L0005244 0 0.94350E-07 460088.6 3779771.6 531.3 3.70 1.67
2.89 YES
L0005245 0 0.94350E-07 460088.1 3779775.1 531.4 3.70 1.67
2.89 YES
L0005246 0 0.94350E-07 460087.5 3779778.7 531.4 3.70 1.67
2.89 YES
L0005247 0 0.94350E-07 460086.8 3779782.2 531.5 3.70 1.67
2.89 YES
L0005248 0 0.94350E-07 460084.3 3779784.8 531.6 3.70 1.67
2.89 YES
L0005249 0 0.94350E-07 460081.9 3779787.4 531.7 3.70 1.67
2.89 YES
L0005250 0 0.94350E-07 460079.4 3779790.1 531.8 3.70 1.67
2.89 YES
L0005251 0 0.94350E-07 460076.8 3779792.5 531.9 3.70 1.67
2.89 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0005258	0	0.94350E-07	460052.6	3779798.2	532.2	3.70	1.67	2.89	YES
L0005259	0	0.94350E-07	460049.0	3779798.4	532.2	3.70	1.67	2.89	YES
L0005260	0	0.17390E-06	459887.2	3779829.5	533.5	3.70	1.67	2.89	YES
L0005261	0	0.17390E-06	459890.8	3779829.4	533.5	3.70	1.67	2.89	YES
L0005262	0	0.17390E-06	459894.4	3779829.4	533.5	3.70	1.67	2.89	YES
L0005263	0	0.17390E-06	459898.0	3779829.4	533.6	3.70	1.67	2.89	YES
L0005264	0	0.17390E-06	459901.6	3779829.4	533.6	3.70	1.67	2.89	YES
L0005265	0	0.17390E-06	459905.2	3779829.4	533.6	3.70	1.67	2.89	YES
L0005266	0	0.17390E-06	459908.8	3779829.3	533.7	3.70	1.67	2.89	YES
L0005267	0	0.17390E-06	459912.4	3779829.3	533.7	3.70	1.67	2.89	YES
L0005268	0	0.17390E-06	459916.0	3779829.3	533.7	3.70	1.67	2.89	YES
L0005269	0	0.17390E-06	459919.6	3779829.3	533.7	3.70	1.67	2.89	YES
L0005270	0	0.17390E-06	459923.2	3779829.2	533.7	3.70	1.67	2.89	YES
L0005271	0	0.17390E-06	459926.8	3779829.2	533.7	3.70	1.67	2.89	YES
L0005272	0	0.17390E-06	459930.4	3779829.2	533.7	3.70	1.67	2.89	YES
L0005273	0	0.17390E-06	459934.0	3779829.2	533.7	3.70	1.67	2.89	YES
L0005274	0	0.17390E-06	459937.6	3779829.2	533.7	3.70	1.67	2.89	YES
L0005275	0	0.17390E-06	459941.2	3779829.1	533.7	3.70	1.67	2.89	YES
L0005276	0	0.17390E-06	459944.8	3779829.1	533.7	3.70	1.67	2.89	YES
L0005277	0	0.17390E-06	459948.4	3779829.1	533.7	3.70	1.67	2.89	YES
L0005278	0	0.17390E-06	459952.0	3779829.1	533.7	3.70	1.67	2.89	YES
L0005279	0	0.17390E-06	459955.6	3779829.0	533.7	3.70	1.67	2.89	YES
L0005280	0	0.17390E-06	459959.2	3779829.0	533.7	3.70	1.67	2.89	YES
L0005281	0	0.17390E-06	459962.8	3779829.0	533.7	3.70	1.67		

2.89 YES
L0005282 0 0.17390E-06 459966.4 3779829.0 533.7 3.70 1.67
2.89 YES
L0005283 0 0.17390E-06 459970.0 3779829.0 533.7 3.70 1.67
2.89 YES
L0005284 0 0.17390E-06 459973.6 3779828.9 533.7 3.70 1.67
2.89 YES
L0005285 0 0.17390E-06 459977.2 3779828.9 533.7 3.70 1.67
2.89 YES
L0005286 0 0.17390E-06 459980.8 3779828.9 533.7 3.70 1.67
2.89 YES
L0005287 0 0.17390E-06 459984.4 3779828.9 533.7 3.70 1.67
2.89 YES
L0005288 0 0.17390E-06 459988.0 3779828.9 533.6 3.70 1.67
2.89 YES
L0005289 0 0.17390E-06 459991.6 3779828.8 533.6 3.70 1.67
2.89 YES
L0005290 0 0.17390E-06 459995.2 3779828.8 533.6 3.70 1.67
2.89 YES
L0005291 0 0.17390E-06 459998.8 3779828.8 533.6 3.70 1.67
2.89 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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2.89     YES
 L0005296         0   0.17390E-06  460016.8 3779828.7   533.4     3.70     1.67
2.89     YES
 L0005297         0   0.17390E-06  460020.4 3779828.7   533.4     3.70     1.67
2.89     YES
 L0005298         0   0.17390E-06  460024.0 3779828.6   533.3     3.70     1.67
2.89     YES
 L0005299         0   0.17390E-06  460027.6 3779828.6   533.2     3.70     1.67
2.89     YES
 L0005300         0   0.17390E-06  460031.2 3779828.6   533.2     3.70     1.67
2.89     YES
 L0005301         0   0.17390E-06  460034.8 3779828.6   533.1     3.70     1.67
2.89     YES
 L0005302         0   0.17390E-06  460038.4 3779828.6   533.0     3.70     1.67
2.89     YES
 L0005303         0   0.17390E-06  460042.0 3779828.5   533.0     3.70     1.67
2.89     YES
 L0005304         0   0.17390E-06  460045.6 3779828.5   532.9     3.70     1.67
2.89     YES
 L0005305         0   0.17390E-06  460049.2 3779828.5   532.9     3.70     1.67
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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L0004193    , L0004194    , L0004195    ,

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L0004201    , L0004202    , L0004203    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                    SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                  SOURCE IDs
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Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs
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*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 39
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID URBAN POP SOURCE IDs
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP                                    SOURCE IDs
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** SOURCE IDs DEFINED AS URBAN SOURCES
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URBAN ID	URBAN POP	SOURCE IDs
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP                                    SOURCE IDs
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L0004673    , L0004674    , L0004675    ,

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

  URBAN ID   URBAN POP                                    SOURCE IDs
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*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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L0005121    , L0005122    , L0005123    ,
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             L0005124    , L0005125    , L0005126    , L0005127    , L0005128    ,
L0005129    , L0005130    , L0005131    ,
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

                                  PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

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


             L0005132    , L0005133    , L0005134    , L0005135    , L0005136    ,
L0005137    , L0005138    , L0005139    ,

             L0005140    , L0005141    , L0005142    , L0005143    , L0005144    ,
L0005145    , L0005146    , L0005147    ,

             L0005148    , L0005149    , L0005150    , L0005151    , L0005152    ,
L0005153    , L0005154    , L0005155    ,

             L0005156    , L0005157    , L0005158    , L0005159    , L0005160    ,
L0005161    , L0005162    , L0005163    ,

             L0005164    , L0005165    , L0005166    , L0005167    , L0005168    ,
L0005169    , L0005170    , L0005171    ,

             L0005172    , L0005173    , L0005174    , L0005175    , L0005176    ,
L0005177    , L0005178    , L0005179    ,

             L0005180    , L0005181    , L0005182    , L0005183    , L0005184    ,
L0005185    , L0005186    , L0005187    ,

             L0005188    , L0005189    , L0005190    , L0005191    , L0005192    ,
L0005193    , L0005194    , L0005195    ,

             L0005196    , L0005197    , L0005198    , L0005199    , L0005200    ,
L0005201    , L0005202    , L0005203    ,

             L0005204    , L0005205    , L0005206    , L0005207    , L0005208    ,
L0005209    , L0005210    , L0005211    ,
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             L0005212    , L0005213    , L0005214    , L0005215    , L0005216    ,
L0005217    , L0005218    , L0005219    ,

             L0005220    , L0005221    , L0005222    , L0005223    , L0005224    ,
L0005225    , L0005226    , L0005227    ,

             L0005228    , L0005229    , L0005230    , L0005231    , L0005232    ,
L0005233    , L0005234    , L0005235    ,

             L0005236    , L0005237    , L0005238    , L0005239    , L0005240    ,
L0005241    , L0005242    , L0005243    ,

             L0005244    , L0005245    , L0005246    , L0005247    , L0005248    ,
L0005249    , L0005250    , L0005251    ,

             L0005252    , L0005253    , L0005254    , L0005255    , L0005256    ,
L0005257    , L0005258    , L0005259    ,

             L0005260    , L0005261    , L0005262    , L0005263    , L0005264    ,
L0005265    , L0005266    , L0005267    ,

             L0005268    , L0005269    , L0005270    , L0005271    , L0005272    ,
L0005273    , L0005274    , L0005275    ,

             L0005276    , L0005277    , L0005278    , L0005279    , L0005280    ,
L0005281    , L0005282    , L0005283    ,

             L0005284    , L0005285    , L0005286    , L0005287    , L0005288    ,
L0005289    , L0005290    , L0005291    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

  URBAN ID   URBAN POP                                      SOURCE IDs
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             L0005292    , L0005293    , L0005294    , L0005295    , L0005296    ,
L0005297    , L0005298    , L0005299    ,
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L0005300 , L0005301 , L0005302 , L0005303 , L0005304 ,
L0005305 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(460204.1, 3779784.8, 531.4, 531.4, 0.0); (460254.1,
3779784.8, 530.7, 530.7, 0.0);
(460304.1, 3779784.8, 530.5, 530.5, 0.0); (460204.1,
3779834.8, 533.1, 533.1, 0.0);
(460254.1, 3779834.8, 532.9, 532.9, 0.0); (460304.1,
3779834.8, 532.8, 532.8, 0.0);
(460204.1, 3779884.8, 534.4, 534.4, 0.0); (460254.1,
3779884.8, 533.8, 533.8, 0.0);
(460304.1, 3779884.8, 533.6, 533.6, 0.0); (460204.1,
3779934.8, 536.3, 536.3, 0.0);
(460254.1, 3779934.8, 535.9, 535.9, 0.0); (460304.1,
3779934.8, 535.6, 535.6, 0.0);
(460204.1, 3779984.8, 537.4, 537.4, 0.0); (460254.1,
3779984.8, 536.8, 536.8, 0.0);
(460304.1, 3779984.8, 536.4, 536.4, 0.0); (460204.1,
3780034.8, 539.0, 539.0, 0.0);
(460254.1, 3780034.8, 538.3, 538.3, 0.0); (460304.1,
3780034.8, 537.9, 537.9, 0.0);
(460204.1, 3780084.8, 540.4, 540.4, 0.0); (460254.1,
3780084.8, 539.8, 539.8, 0.0);
(460304.1, 3780084.8, 539.5, 539.5, 0.0); (460204.1,
3780134.8, 541.7, 541.7, 0.0);
(460254.1, 3780134.8, 540.8, 540.8, 0.0); (460304.1,
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(460204.1, 3780184.8, 542.8, 542.8, 0.0); (460254.1,
3780184.8, 542.1, 542.1, 0.0);
(460304.1, 3780184.8, 542.5, 542.5, 0.0); (460204.1,
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(460254.1, 3780234.8, 543.3, 543.3, 0.0); (460304.1,
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(460204.1, 3780284.8, 546.0, 546.0, 0.0); (460254.1,
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(460304.1, 3780284.8, 545.5, 545.5, 0.0); (460204.1,
3780334.8, 547.3, 547.3, 0.0);

(460254.1, 3780334.8, 546.9, 546.9, 0.0); (460304.1, 3780334.8, 546.9, 546.9, 0.0);
(460204.1, 3780384.8, 548.7, 548.7, 0.0); (460254.1, 3780384.8, 548.0, 548.0, 0.0);
(460304.1, 3780384.8, 547.9, 547.9, 0.0); (460204.1, 3780434.8, 549.9, 549.9, 0.0);
(460254.1, 3780434.8, 549.7, 549.7, 0.0); (460304.1, 3780434.8, 549.6, 549.6, 0.0);
(460204.1, 3780484.8, 551.2, 551.2, 0.0); (460254.1, 3780484.8, 550.5, 550.5, 0.0);
(460304.1, 3780484.8, 550.3, 550.3, 0.0); (460204.1, 3780534.8, 553.2, 553.2, 0.0);
(460254.1, 3780534.8, 553.4, 553.4, 0.0); (460304.1, 3780534.8, 553.0, 553.0, 0.0);
(460054.1, 3780584.8, 554.8, 554.8, 0.0); (460104.1, 3780584.8, 555.1, 555.1, 0.0);
(460204.1, 3780584.8, 554.5, 554.5, 0.0); (460254.1, 3780584.8, 554.5, 554.5, 0.0);
(460304.1, 3780584.8, 554.3, 554.3, 0.0); (460054.1, 3780634.8, 556.1, 556.1, 0.0);
(460104.1, 3780634.8, 556.3, 556.3, 0.0); (460204.1, 3780634.8, 556.2, 556.2, 0.0);
(460254.1, 3780634.8, 556.5, 556.5, 0.0); (460304.1, 3780634.8, 555.9, 555.9, 0.0);
(459854.1, 3780684.8, 558.7, 558.7, 0.0); (459904.1, 3780684.8, 558.7, 558.7, 0.0);
(459954.1, 3780684.8, 558.4, 558.4, 0.0); (460004.1, 3780684.8, 557.5, 557.5, 0.0);
(460054.1, 3780684.8, 557.2, 557.2, 0.0); (460104.1, 3780684.8, 557.5, 557.5, 0.0);
(460204.1, 3780684.8, 557.6, 557.6, 0.0); (460254.1, 3780684.8, 557.6, 557.6, 0.0);
(460304.1, 3780684.8, 557.4, 557.4, 0.0); (459854.1, 3780734.8, 560.4, 560.4, 0.0);
(459904.1, 3780734.8, 560.5, 560.5, 0.0); (459954.1, 3780734.8, 560.0, 560.0, 0.0);
(460004.1, 3780734.8, 558.4, 558.4, 0.0); (460054.1, 3780734.8, 558.5, 558.5, 0.0);
(460104.1, 3780734.8, 559.1, 559.1, 0.0); (460204.1, 3780734.8, 558.8, 558.8, 0.0);
(460254.1, 3780734.8, 558.5, 558.5, 0.0); (460304.1, 3780734.8, 558.2, 558.2, 0.0);
(459854.1, 3780784.8, 562.1, 562.1, 0.0); (459904.1, 3780784.8, 561.9, 561.9, 0.0);
(459954.1, 3780784.8, 561.5, 561.5, 0.0); (460004.1, 3780784.8, 561.3, 561.3, 0.0);
(460054.1, 3780784.8, 560.6, 560.6, 0.0); (460104.1, 3780784.8, 560.7, 560.7, 0.0);

(460204.1, 3780784.8, 560.7, 560.7, 0.0); (460254.1, 3780784.8, 560.2, 560.2, 0.0);
(460304.1, 3780784.8, 559.6, 559.6, 0.0); (459854.1, 3780834.8, 563.7, 563.7, 0.0);
(459904.1, 3780834.8, 563.5, 563.5, 0.0); (459954.1, 3780834.8, 563.0, 563.0, 0.0);
(460004.1, 3780834.8, 562.8, 562.8, 0.0); (460054.1, 3780834.8, 562.2, 562.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(460104.1, 3780834.8, 562.4, 562.4, 0.0); (460204.1, 3780834.8, 562.2, 562.2, 0.0);
(460254.1, 3780834.8, 561.5, 561.5, 0.0); (460304.1, 3780834.8, 561.6, 561.6, 0.0);
(459854.1, 3780884.8, 564.9, 564.9, 0.0); (459904.1, 3780884.8, 564.8, 564.8, 0.0);
(459954.1, 3780884.8, 564.6, 564.6, 0.0); (460004.1, 3780884.8, 564.3, 564.3, 0.0);
(460054.1, 3780884.8, 563.8, 563.8, 0.0); (460104.1, 3780884.8, 564.1, 564.1, 0.0);
(460204.1, 3780884.8, 563.7, 563.7, 0.0); (460254.1, 3780884.8, 563.3, 563.3, 0.0);
(460304.1, 3780884.8, 563.1, 563.1, 0.0); (459854.1, 3780984.8, 569.3, 569.3, 0.0);
(459904.1, 3780984.8, 568.4, 568.4, 0.0); (459954.1, 3780984.8, 566.8, 566.8, 0.0);
(460004.1, 3780984.8, 567.3, 567.3, 0.0); (460054.1, 3780984.8, 566.6, 566.6, 0.0);
(460104.1, 3780984.8, 567.0, 567.0, 0.0); (460204.1, 3780984.8, 566.2, 566.2, 0.0);
(460254.1, 3780984.8, 564.9, 564.9, 0.0); (460304.1, 3780984.8, 564.3, 564.3, 0.0);
(459854.1, 3781034.8, 570.0, 570.0, 0.0); (459904.1, 3781034.8, 569.8, 569.8, 0.0);
(459954.1, 3781034.8, 568.6, 568.6, 0.0); (460004.1, 3781034.8, 568.8, 568.8, 0.0);
(460054.1, 3781034.8, 568.3, 568.3, 0.0); (460104.1, 3781034.8, 568.6, 568.6, 0.0);

(460204.1, 3781034.8, 567.9, 567.9, 0.0); (460254.1, 3781034.8, 567.1, 567.1, 0.0);
(460304.1, 3781034.8, 567.0, 567.0, 0.0); (459854.1, 3781084.8, 572.0, 572.0, 0.0);
(459904.1, 3781084.8, 571.7, 571.7, 0.0); (459954.1, 3781084.8, 570.5, 570.5, 0.0);
(460004.1, 3781084.8, 570.5, 570.5, 0.0); (460054.1, 3781084.8, 570.2, 570.2, 0.0);
(460104.1, 3781084.8, 570.3, 570.3, 0.0); (460204.1, 3781084.8, 569.5, 569.5, 0.0);
(460254.1, 3781084.8, 569.1, 569.1, 0.0); (460304.1, 3781084.8, 569.0, 569.0, 0.0);
(459854.1, 3781134.8, 573.5, 573.5, 0.0); (459904.1, 3781134.8, 573.3, 573.3, 0.0);
(459954.1, 3781134.8, 572.2, 572.2, 0.0); (460004.1, 3781134.8, 572.2, 572.2, 0.0);
(460054.1, 3781134.8, 571.5, 571.5, 0.0); (460104.1, 3781134.8, 571.7, 571.7, 0.0);
(460204.1, 3781134.8, 571.4, 571.4, 0.0); (460254.1, 3781134.8, 570.6, 570.6, 0.0);
(460304.1, 3781134.8, 570.0, 570.0, 0.0); (459854.1, 3781184.8, 573.8, 573.8, 0.0);
(459904.1, 3781184.8, 573.9, 573.9, 0.0); (459954.1, 3781184.8, 573.4, 573.4, 0.0);
(460004.1, 3781184.8, 573.8, 573.8, 0.0); (460054.1, 3781184.8, 573.2, 573.2, 0.0);
(460104.1, 3781184.8, 573.5, 573.5, 0.0); (460204.1, 3781184.8, 572.6, 572.6, 0.0);
(460254.1, 3781184.8, 572.2, 572.2, 0.0); (460304.1, 3781184.8, 572.9, 572.9, 0.0);
(459854.1, 3781234.8, 573.8, 783.1, 0.0); (459904.1, 3781234.8, 574.1, 574.1, 0.0);
(459954.1, 3781234.8, 574.8, 574.8, 0.0); (460004.1, 3781234.8, 575.9, 575.9, 0.0);
(460054.1, 3781234.8, 575.1, 575.1, 0.0); (460104.1, 3781234.8, 575.6, 575.6, 0.0);
(460204.1, 3781234.8, 574.6, 574.6, 0.0); (460254.1, 3781234.8, 574.2, 574.2, 0.0);
(460304.1, 3781234.8, 574.0, 574.0, 0.0); (459854.1, 3781284.8, 574.0, 785.2, 0.0);
(459904.1, 3781284.8, 574.0, 785.2, 0.0); (459954.1, 3781284.8, 575.8, 575.8, 0.0);
(460004.1, 3781284.8, 577.1, 577.1, 0.0); (460054.1, 3781284.8, 576.6, 576.6, 0.0);
(460104.1, 3781284.8, 577.1, 577.1, 0.0); (460204.1, 3781284.8, 576.4, 576.4, 0.0);
(460254.1, 3781284.8, 576.0, 576.0, 0.0); (460304.1, 3781284.8, 575.2, 575.2, 0.0);

(459854.1, 3781334.8, 578.2, 785.2, 0.0); (459904.1, 3781334.8, 578.1, 785.2, 0.0);
(459954.1, 3781334.8, 578.3, 578.3, 0.0); (460004.1, 3781334.8, 578.6, 578.6, 0.0);
(460054.1, 3781334.8, 578.3, 578.3, 0.0); (460104.1, 3781334.8, 578.5, 578.5, 0.0);
(460204.1, 3781334.8, 577.9, 577.9, 0.0); (460254.1, 3781334.8, 577.4, 577.4, 0.0);
(460304.1, 3781334.8, 576.5, 576.5, 0.0); (460204.1, 3781384.8, 579.2, 579.2, 0.0);
(460254.1, 3781384.8, 578.3, 578.3, 0.0); (460304.1, 3781384.8, 577.3, 577.3, 0.0);
(460204.1, 3781434.8, 580.1, 580.1, 0.0); (460254.1, 3781434.8, 579.0, 579.0, 0.0);

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

(460304.1, 3781434.8, 578.5, 578.5, 0.0); (460204.1, 3781484.8, 580.8, 580.8, 0.0);
(460254.1, 3781484.8, 580.2, 580.2, 0.0); (460304.1, 3781484.8, 579.2, 579.2, 0.0);
(460204.1, 3781534.8, 581.9, 581.9, 0.0); (460254.1, 3781534.8, 581.2, 581.2, 0.0);
(460304.1, 3781534.8, 581.5, 581.5, 0.0); (460204.1, 3781584.8, 583.1, 583.1, 0.0);
(460254.1, 3781584.8, 582.5, 582.5, 0.0); (460304.1, 3781584.8, 582.8, 582.8, 0.0);
(460204.1, 3781634.8, 584.4, 584.4, 0.0); (460254.1, 3781634.8, 583.8, 583.8, 0.0);
(460304.1, 3781634.8, 583.9, 583.9, 0.0); (460204.1, 3781684.8, 585.9, 585.9, 0.0);
(460254.1, 3781684.8, 585.4, 585.4, 0.0); (460304.1, 3781684.8, 585.0, 585.0, 0.0);
(460204.1, 3781734.8, 587.0, 785.2, 0.0); (460254.1, 3781734.8, 586.9, 586.9, 0.0);
(460349.5, 3779783.5, 530.2, 530.2, 0.0); (460399.5, 3779783.5, 530.0, 530.0, 0.0);
(460449.5, 3779783.5, 529.6, 529.6, 0.0); (460499.5, 3779783.5, 529.1, 529.1, 0.0);

(460349.5, 3779833.5, 532.2, 532.2, 0.0); (460399.5, 3779833.5, 531.6, 531.6, 0.0);
(460449.5, 3779833.5, 530.8, 530.8, 0.0); (460499.5, 3779833.5, 531.4, 531.4, 0.0);
(460349.5, 3779883.5, 533.2, 533.2, 0.0); (460399.5, 3779883.5, 533.3, 533.3, 0.0);
(460449.5, 3779883.5, 532.3, 532.3, 0.0); (460499.5, 3779883.5, 532.5, 532.5, 0.0);
(460349.5, 3779933.5, 534.9, 534.9, 0.0); (460399.5, 3779933.5, 534.6, 534.6, 0.0);
(460449.5, 3779933.5, 534.0, 534.0, 0.0); (460499.5, 3779933.5, 534.7, 534.7, 0.0);
(460349.5, 3779983.5, 535.8, 535.8, 0.0); (460399.5, 3779983.5, 535.8, 535.8, 0.0);
(460449.5, 3779983.5, 535.6, 535.6, 0.0); (460499.5, 3779983.5, 535.6, 535.6, 0.0);
(460349.5, 3780033.5, 537.3, 537.3, 0.0); (460399.5, 3780033.5, 536.7, 536.7, 0.0);
(460449.5, 3780033.5, 537.2, 537.2, 0.0); (460499.5, 3780033.5, 536.9, 536.9, 0.0);
(460349.5, 3780083.5, 539.1, 539.1, 0.0); (460399.5, 3780083.5, 538.7, 538.7, 0.0);
(460449.5, 3780083.5, 538.4, 538.4, 0.0); (460499.5, 3780083.5, 538.4, 538.4, 0.0);
(460349.5, 3780133.5, 540.2, 540.2, 0.0); (460399.5, 3780133.5, 539.8, 539.8, 0.0);
(460449.5, 3780133.5, 539.5, 539.5, 0.0); (460499.5, 3780133.5, 539.3, 539.3, 0.0);
(460349.5, 3780183.5, 542.3, 542.3, 0.0); (460399.5, 3780183.5, 541.8, 541.8, 0.0);
(460449.5, 3780183.5, 541.5, 541.5, 0.0); (460499.5, 3780183.5, 541.2, 541.2, 0.0);
(460349.5, 3780233.5, 542.8, 542.8, 0.0); (460399.5, 3780233.5, 542.8, 542.8, 0.0);
(460449.5, 3780233.5, 542.1, 542.1, 0.0); (460499.5, 3780233.5, 541.7, 541.7, 0.0);
(460349.5, 3780283.5, 545.0, 545.0, 0.0); (460399.5, 3780283.5, 544.7, 544.7, 0.0);
(460449.5, 3780283.5, 543.7, 543.7, 0.0); (460499.5, 3780283.5, 543.9, 543.9, 0.0);
(460349.5, 3780333.5, 546.4, 546.4, 0.0); (460399.5, 3780333.5, 546.1, 546.1, 0.0);
(460449.5, 3780333.5, 545.1, 545.1, 0.0); (460499.5, 3780333.5, 545.2, 545.2, 0.0);
(460349.5, 3780383.5, 547.5, 547.5, 0.0); (460399.5, 3780383.5, 547.4, 547.4, 0.0);
(460449.5, 3780383.5, 546.6, 546.6, 0.0); (460499.5, 3780383.5, 546.7, 546.7, 0.0);

(460349.5, 3780433.5, 549.1, 549.1, 0.0); (460399.5, 3780433.5, 548.9, 548.9, 0.0);
(460449.5, 3780433.5, 548.5, 548.5, 0.0); (460499.5, 3780433.5, 548.6, 548.6, 0.0);
(460349.5, 3780483.5, 550.0, 550.0, 0.0); (460399.5, 3780483.5, 550.7, 550.7, 0.0);
(460449.5, 3780483.5, 550.5, 550.5, 0.0); (460499.5, 3780483.5, 549.7, 549.7, 0.0);
(459759.1, 3781514.4, 586.3, 785.2, 0.0); (459711.3, 3781514.4, 586.7, 785.2, 0.0);
(459726.2, 3781543.2, 587.3, 785.2, 0.0); (459271.0, 3777660.4, 474.4, 474.4, 0.0);
(459321.0, 3777660.4, 474.8, 474.8, 0.0); (459371.0, 3777660.4, 474.5, 474.5, 0.0);
(459271.0, 3777710.4, 475.3, 475.3, 0.0); (459321.0, 3777710.4, 475.2, 475.2, 0.0);
(459371.0, 3777710.4, 473.0, 473.0, 0.0); (459421.0, 3777710.4, 473.4, 473.4, 0.0);
(459471.0, 3777710.4, 476.3, 476.3, 0.0); (459521.0, 3777710.4, 477.2, 477.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459271.0, 3777760.4, 476.1, 476.1, 0.0); (459321.0, 3777760.4, 475.5, 475.5, 0.0);
(459371.0, 3777760.4, 473.4, 473.4, 0.0); (459421.0, 3777760.4, 473.3, 473.3, 0.0);
(459471.0, 3777760.4, 476.8, 476.8, 0.0); (459521.0, 3777760.4, 478.2, 478.2, 0.0);
(459571.0, 3777760.4, 477.8, 477.8, 0.0); (459621.0, 3777760.4, 478.2, 478.2, 0.0);
(459671.0, 3777760.4, 478.5, 478.5, 0.0); (459721.0, 3777760.4, 478.8, 478.8, 0.0);
(459771.0, 3777760.4, 478.4, 478.4, 0.0); (459271.0, 3777810.4, 475.2, 482.6, 0.0);
(459321.0, 3777810.4, 476.1, 476.1, 0.0); (459371.0, 3777810.4, 474.8, 474.8, 0.0);
(459421.0, 3777810.4, 472.2, 481.2, 0.0); (459471.0, 3777810.4, 478.7, 479.0, 0.0);

(459521.0, 3777810.4, 479.2, 479.2, 0.0); (459571.0, 3777810.4, 479.2, 479.2, 0.0);
(459621.0, 3777810.4, 478.8, 478.8, 0.0); (459671.0, 3777810.4, 479.6, 479.6, 0.0);
(459721.0, 3777810.4, 479.9, 479.9, 0.0); (459771.0, 3777810.4, 479.6, 479.6, 0.0);
(459271.0, 3777860.4, 478.8, 483.7, 0.0); (459321.0, 3777860.4, 477.8, 483.6, 0.0);
(459371.0, 3777860.4, 476.7, 476.7, 0.0); (459421.0, 3777860.4, 474.8, 481.9, 0.0);
(459471.0, 3777860.4, 480.7, 480.7, 0.0); (459521.0, 3777860.4, 480.7, 480.7, 0.0);
(459571.0, 3777860.4, 481.2, 481.2, 0.0); (459621.0, 3777860.4, 480.7, 480.7, 0.0);
(459671.0, 3777860.4, 481.1, 481.1, 0.0); (459721.0, 3777860.4, 481.4, 481.4, 0.0);
(459771.0, 3777860.4, 481.3, 481.3, 0.0); (459271.0, 3777910.4, 483.7, 483.7, 0.0);
(459321.0, 3777910.4, 482.4, 482.4, 0.0); (459371.0, 3777910.4, 478.3, 478.3, 0.0);
(459421.0, 3777910.4, 478.3, 482.3, 0.0); (459471.0, 3777910.4, 481.9, 481.9, 0.0);
(459521.0, 3777910.4, 482.0, 482.0, 0.0); (459571.0, 3777910.4, 482.7, 482.7, 0.0);
(459621.0, 3777910.4, 482.5, 482.5, 0.0); (459671.0, 3777910.4, 482.6, 482.6, 0.0);
(459721.0, 3777910.4, 482.2, 482.2, 0.0); (459771.0, 3777910.4, 482.3, 482.3, 0.0);
(459271.0, 3777960.4, 484.0, 484.0, 0.0); (459321.0, 3777960.4, 483.6, 483.6, 0.0);
(459371.0, 3777960.4, 479.6, 479.6, 0.0); (459421.0, 3777960.4, 481.6, 481.6, 0.0);
(459471.0, 3777960.4, 482.7, 482.7, 0.0); (459521.0, 3777960.4, 483.6, 483.6, 0.0);
(459571.0, 3777960.4, 484.3, 484.3, 0.0); (459621.0, 3777960.4, 483.8, 483.8, 0.0);
(459671.0, 3777960.4, 483.6, 483.6, 0.0); (459721.0, 3777960.4, 483.5, 483.5, 0.0);
(459771.0, 3777960.4, 483.5, 483.5, 0.0); (459271.0, 3778010.4, 484.6, 484.6, 0.0);
(459321.0, 3778010.4, 482.8, 482.8, 0.0); (459371.0, 3778010.4, 482.7, 482.7, 0.0);
(459421.0, 3778010.4, 484.6, 484.6, 0.0); (459471.0, 3778010.4, 483.6, 483.6, 0.0);
(459521.0, 3778010.4, 484.6, 484.6, 0.0); (459571.0, 3778010.4, 485.4, 485.4, 0.0);
(459621.0, 3778010.4, 485.1, 485.1, 0.0); (459671.0, 3778010.4, 485.2, 485.2, 0.0);

(459721.0, 3778010.4, 485.5, 485.5, 0.0); (459771.0, 3778010.4, 485.3, 485.3, 0.0);
(459271.0, 3778060.4, 485.9, 485.9, 0.0); (459321.0, 3778060.4, 483.9, 483.9, 0.0);
(459371.0, 3778060.4, 485.5, 485.5, 0.0); (459421.0, 3778060.4, 485.4, 485.4, 0.0);
(459471.0, 3778060.4, 485.7, 485.7, 0.0); (459521.0, 3778060.4, 486.0, 486.0, 0.0);
(459571.0, 3778060.4, 486.6, 486.6, 0.0); (459621.0, 3778060.4, 486.2, 486.2, 0.0);
(459671.0, 3778060.4, 486.4, 486.4, 0.0); (459721.0, 3778060.4, 486.7, 486.7, 0.0);
(459771.0, 3778060.4, 486.5, 486.5, 0.0); (459271.0, 3778110.4, 487.0, 487.0, 0.0);
(459321.0, 3778110.4, 487.5, 487.5, 0.0); (459371.0, 3778110.4, 486.2, 486.2, 0.0);
(459421.0, 3778110.4, 486.6, 486.6, 0.0); (459471.0, 3778110.4, 487.5, 487.5, 0.0);
(459521.0, 3778110.4, 487.5, 487.5, 0.0); (459571.0, 3778110.4, 487.7, 487.7, 0.0);
(459621.0, 3778110.4, 487.2, 487.2, 0.0); (459671.0, 3778110.4, 487.2, 487.2, 0.0);
(459721.0, 3778110.4, 487.3, 487.3, 0.0); (459771.0, 3778110.4, 487.4, 487.4, 0.0);
(459271.0, 3778160.4, 488.5, 488.5, 0.0); (459321.0, 3778160.4, 488.7, 488.7, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459371.0, 3778160.4, 484.0, 484.0, 0.0); (459421.0, 3778160.4, 487.8, 487.8, 0.0);
(459471.0, 3778160.4, 488.4, 488.4, 0.0); (459521.0, 3778160.4, 488.5, 488.5, 0.0);
(459571.0, 3778160.4, 488.9, 488.9, 0.0); (459621.0, 3778160.4, 488.2, 488.2, 0.0);
(459671.0, 3778160.4, 488.6, 488.6, 0.0); (459721.0, 3778160.4, 488.9, 488.9, 0.0);
(459771.0, 3778160.4, 488.8, 488.8, 0.0); (459271.0, 3778210.4, 489.9, 489.9, 0.0);

(459321.0, 3778210.4, 489.9, 489.9, 0.0); (459371.0, 3778210.4, 484.6, 491.0, 0.0);
(459421.0, 3778210.4, 488.9, 488.9, 0.0); (459471.0, 3778210.4, 489.8, 489.8, 0.0);
(459521.0, 3778210.4, 489.6, 489.6, 0.0); (459571.0, 3778210.4, 490.1, 490.1, 0.0);
(459621.0, 3778210.4, 489.5, 489.5, 0.0); (459671.0, 3778210.4, 489.7, 489.7, 0.0);
(459721.0, 3778210.4, 489.6, 489.6, 0.0); (459771.0, 3778210.4, 489.8, 489.8, 0.0);
(459271.0, 3778260.4, 491.2, 491.2, 0.0); (459321.0, 3778260.4, 491.2, 491.2, 0.0);
(459371.0, 3778260.4, 487.3, 487.3, 0.0); (459421.0, 3778260.4, 489.6, 489.6, 0.0);
(459471.0, 3778260.4, 490.7, 490.7, 0.0); (459521.0, 3778260.4, 490.7, 490.7, 0.0);
(459571.0, 3778260.4, 490.9, 490.9, 0.0); (459621.0, 3778260.4, 490.7, 490.7, 0.0);
(459671.0, 3778260.4, 490.9, 490.9, 0.0); (459721.0, 3778260.4, 490.8, 490.8, 0.0);
(459771.0, 3778260.4, 490.9, 490.9, 0.0); (459271.0, 3778310.4, 491.9, 491.9, 0.0);
(459321.0, 3778310.4, 491.6, 491.6, 0.0); (459371.0, 3778310.4, 490.8, 490.8, 0.0);
(459421.0, 3778310.4, 490.7, 490.7, 0.0); (459471.0, 3778310.4, 491.1, 491.1, 0.0);
(459521.0, 3778310.4, 491.3, 491.3, 0.0); (459571.0, 3778310.4, 491.4, 491.4, 0.0);
(459621.0, 3778310.4, 491.9, 491.9, 0.0); (459671.0, 3778310.4, 492.4, 492.4, 0.0);
(459721.0, 3778310.4, 492.9, 492.9, 0.0); (459771.0, 3778310.4, 492.4, 492.4, 0.0);
(459271.0, 3778360.4, 492.4, 492.4, 0.0); (459321.0, 3778360.4, 491.8, 491.8, 0.0);
(459371.0, 3778360.4, 487.9, 496.0, 0.0); (459421.0, 3778360.4, 490.2, 490.2, 0.0);
(459471.0, 3778360.4, 491.2, 491.2, 0.0); (459521.0, 3778360.4, 492.4, 492.4, 0.0);
(459571.0, 3778360.4, 493.0, 493.0, 0.0); (459621.0, 3778360.4, 493.1, 493.1, 0.0);
(459671.0, 3778360.4, 493.4, 493.4, 0.0); (459721.0, 3778360.4, 494.1, 494.1, 0.0);
(459771.0, 3778360.4, 494.1, 494.1, 0.0); (459271.0, 3778410.4, 494.3, 494.3, 0.0);
(459321.0, 3778410.4, 494.8, 494.8, 0.0); (459371.0, 3778410.4, 493.7, 496.0, 0.0);
(459421.0, 3778410.4, 491.6, 496.8, 0.0); (459471.0, 3778410.4, 490.7, 490.7, 0.0);

(459521.0, 3778410.4, 491.5, 491.5, 0.0); (459571.0, 3778410.4, 493.7, 493.7, 0.0);
(459621.0, 3778410.4, 494.7, 494.7, 0.0); (459671.0, 3778410.4, 495.1, 495.1, 0.0);
(459721.0, 3778410.4, 495.4, 495.4, 0.0); (459771.0, 3778410.4, 495.3, 495.3, 0.0);
(459271.0, 3778460.4, 495.9, 495.9, 0.0); (459321.0, 3778460.4, 495.8, 495.8, 0.0);
(459371.0, 3778460.4, 496.4, 496.4, 0.0); (459421.0, 3778460.4, 496.8, 496.8, 0.0);
(459471.0, 3778460.4, 494.5, 497.9, 0.0); (459521.0, 3778460.4, 492.8, 497.9, 0.0);
(459571.0, 3778460.4, 493.0, 493.0, 0.0); (459621.0, 3778460.4, 496.4, 496.4, 0.0);
(459671.0, 3778460.4, 496.3, 496.3, 0.0); (459721.0, 3778460.4, 497.2, 497.2, 0.0);
(459771.0, 3778460.4, 496.9, 496.9, 0.0); (459271.0, 3778510.4, 497.7, 497.7, 0.0);
(459321.0, 3778510.4, 497.8, 497.8, 0.0); (459371.0, 3778510.4, 497.7, 497.7, 0.0);
(459421.0, 3778510.4, 497.5, 497.5, 0.0); (459471.0, 3778510.4, 498.0, 498.0, 0.0);
(459521.0, 3778510.4, 498.3, 498.3, 0.0); (459571.0, 3778510.4, 495.7, 495.7, 0.0);
(459621.0, 3778510.4, 497.7, 497.7, 0.0); (459671.0, 3778510.4, 497.9, 497.9, 0.0);
(459721.0, 3778510.4, 497.9, 497.9, 0.0); (459771.0, 3778510.4, 497.9, 497.9, 0.0);
(459271.0, 3778560.4, 498.1, 498.1, 0.0); (459321.0, 3778560.4, 498.1, 498.1, 0.0);
(459371.0, 3778560.4, 498.0, 498.0, 0.0); (459421.0, 3778560.4, 497.9, 497.9, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459471.0, 3778560.4, 498.5, 498.5, 0.0); (459521.0, 3778560.4, 498.5, 498.5, 0.0);
(459571.0, 3778560.4, 499.3, 499.3, 0.0); (459621.0, 3778560.4, 500.1, 500.1, 0.0);

(459671.0, 3778560.4, 499.4, 499.4, 0.0); (459721.0, 3778560.4, 499.0, 499.0, 0.0);
(459771.0, 3778560.4, 499.2, 499.2, 0.0); (459271.0, 3778610.4, 495.9, 502.5, 0.0);
(459321.0, 3778610.4, 497.4, 497.4, 0.0); (459371.0, 3778610.4, 498.4, 498.4, 0.0);
(459421.0, 3778610.4, 497.6, 497.6, 0.0); (459471.0, 3778610.4, 497.9, 497.9, 0.0);
(459521.0, 3778610.4, 498.4, 498.4, 0.0); (459571.0, 3778610.4, 500.4, 500.4, 0.0);
(459621.0, 3778610.4, 500.5, 500.5, 0.0); (459671.0, 3778610.4, 500.5, 500.5, 0.0);
(459721.0, 3778610.4, 500.2, 500.2, 0.0); (459771.0, 3778610.4, 500.6, 500.6, 0.0);
(459271.0, 3778660.4, 500.9, 502.5, 0.0); (459321.0, 3778660.4, 501.4, 501.4, 0.0);
(459371.0, 3778660.4, 501.4, 501.4, 0.0); (459421.0, 3778660.4, 501.4, 501.4, 0.0);
(459471.0, 3778660.4, 501.8, 501.8, 0.0); (459521.0, 3778660.4, 501.4, 501.4, 0.0);
(459571.0, 3778660.4, 501.1, 501.1, 0.0); (459621.0, 3778660.4, 501.8, 501.8, 0.0);
(459671.0, 3778660.4, 501.5, 501.5, 0.0); (459721.0, 3778660.4, 501.2, 501.2, 0.0);
(459771.0, 3778660.4, 501.5, 501.5, 0.0); (459271.0, 3778710.4, 503.2, 503.2, 0.0);
(459321.0, 3778710.4, 503.7, 503.7, 0.0); (459371.0, 3778710.4, 503.7, 503.7, 0.0);
(459421.0, 3778710.4, 503.2, 503.2, 0.0); (459471.0, 3778710.4, 503.3, 503.3, 0.0);
(459521.0, 3778710.4, 502.9, 502.9, 0.0); (459571.0, 3778710.4, 502.6, 502.6, 0.0);
(459621.0, 3778710.4, 503.4, 503.4, 0.0); (459671.0, 3778710.4, 502.4, 502.4, 0.0);
(459721.0, 3778710.4, 503.1, 503.1, 0.0); (459771.0, 3778710.4, 503.1, 503.1, 0.0);
(459271.0, 3778760.4, 504.1, 504.1, 0.0); (459321.0, 3778760.4, 504.3, 504.3, 0.0);
(459371.0, 3778760.4, 504.2, 504.2, 0.0); (459421.0, 3778760.4, 504.2, 504.2, 0.0);
(459471.0, 3778760.4, 504.4, 504.4, 0.0); (459521.0, 3778760.4, 504.5, 504.5, 0.0);
(459571.0, 3778760.4, 504.6, 504.6, 0.0); (459621.0, 3778760.4, 503.9, 503.9, 0.0);
(459671.0, 3778760.4, 503.9, 503.9, 0.0); (459721.0, 3778760.4, 504.3, 504.3, 0.0);
(459771.0, 3778760.4, 504.6, 504.6, 0.0); (459271.0, 3778810.4, 505.4, 505.4, 0.0);

(459321.0, 3778810.4, 505.4, 505.4, 0.0); (459371.0, 3778810.4, 505.6, 505.6, 0.0);
(459421.0, 3778810.4, 505.6, 505.6, 0.0); (459471.0, 3778810.4, 505.9, 505.9, 0.0);
(459521.0, 3778810.4, 505.8, 505.8, 0.0); (459571.0, 3778810.4, 505.4, 505.4, 0.0);
(459621.0, 3778810.4, 505.4, 505.4, 0.0); (459671.0, 3778810.4, 505.1, 505.1, 0.0);
(459721.0, 3778810.4, 505.7, 505.7, 0.0); (459771.0, 3778810.4, 505.8, 505.8, 0.0);
(459271.0, 3778860.4, 506.1, 506.1, 0.0); (459321.0, 3778860.4, 506.0, 506.0, 0.0);
(459371.0, 3778860.4, 506.2, 506.2, 0.0); (459421.0, 3778860.4, 506.3, 506.3, 0.0);
(459471.0, 3778860.4, 506.7, 506.7, 0.0); (459521.0, 3778860.4, 506.5, 506.5, 0.0);
(459571.0, 3778860.4, 506.0, 506.0, 0.0); (459621.0, 3778860.4, 506.3, 506.3, 0.0);
(459671.0, 3778860.4, 506.1, 506.1, 0.0); (459721.0, 3778860.4, 506.6, 506.6, 0.0);
(459771.0, 3778860.4, 507.0, 507.0, 0.0); (459271.0, 3778910.4, 506.7, 506.7, 0.0);
(459321.0, 3778910.4, 506.8, 506.8, 0.0); (459371.0, 3778910.4, 507.0, 507.0, 0.0);
(459421.0, 3778910.4, 507.2, 507.2, 0.0); (459471.0, 3778910.4, 507.3, 507.3, 0.0);
(459521.0, 3778910.4, 507.3, 507.3, 0.0); (459571.0, 3778910.4, 507.2, 507.2, 0.0);
(459621.0, 3778910.4, 507.5, 507.5, 0.0); (459671.0, 3778910.4, 507.7, 507.7, 0.0);
(459721.0, 3778910.4, 508.0, 508.0, 0.0); (459771.0, 3778910.4, 508.2, 508.2, 0.0);
(459271.0, 3778960.4, 509.2, 509.2, 0.0); (459321.0, 3778960.4, 509.0, 509.0, 0.0);
(459371.0, 3778960.4, 509.0, 509.0, 0.0); (459421.0, 3778960.4, 509.3, 509.3, 0.0);
(459471.0, 3778960.4, 509.4, 509.4, 0.0); (459521.0, 3778960.4, 509.2, 509.2, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459571.0, 3778960.4, 509.0, 509.0, 0.0); (459621.0, 3778960.4, 509.1, 509.1, 0.0);
(459671.0, 3778960.4, 509.3, 509.3, 0.0); (459721.0, 3778960.4, 509.6, 509.6, 0.0);
(459771.0, 3778960.4, 509.6, 509.6, 0.0); (459271.0, 3779010.4, 510.5, 510.5, 0.0);
(459321.0, 3779010.4, 510.5, 510.5, 0.0); (459371.0, 3779010.4, 510.4, 510.4, 0.0);
(459421.0, 3779010.4, 510.7, 510.7, 0.0); (459471.0, 3779010.4, 510.9, 510.9, 0.0);
(459521.0, 3779010.4, 510.8, 510.8, 0.0); (459571.0, 3779010.4, 510.4, 510.4, 0.0);
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(459621.0, 3779110.4, 513.3, 513.3, 0.0); (459671.0, 3779110.4, 513.2, 513.2, 0.0);
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(459371.0, 3779160.4, 514.8, 514.8, 0.0); (459421.0, 3779160.4, 514.6, 514.6, 0.0);
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(459571.0, 3779160.4, 514.7, 514.7, 0.0); (459621.0, 3779160.4, 514.5, 514.5, 0.0);

(459671.0, 3779160.4, 514.5, 514.5, 0.0); (459721.0, 3779160.4, 514.9, 514.9, 0.0);
(459771.0, 3779160.4, 514.8, 514.8, 0.0); (459271.0, 3779210.4, 515.5, 515.5, 0.0);
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(459621.0, 3779210.4, 515.7, 515.7, 0.0); (459671.0, 3779210.4, 515.9, 515.9, 0.0);
(459721.0, 3779210.4, 516.3, 516.3, 0.0); (459771.0, 3779210.4, 516.1, 516.1, 0.0);
(459271.0, 3779260.4, 516.9, 516.9, 0.0); (459321.0, 3779260.4, 517.2, 517.2, 0.0);
(459371.0, 3779260.4, 517.6, 517.6, 0.0); (459421.0, 3779260.4, 517.3, 517.3, 0.0);
(459471.0, 3779260.4, 517.3, 517.3, 0.0); (459521.0, 3779260.4, 517.7, 517.7, 0.0);
(459571.0, 3779260.4, 517.3, 517.3, 0.0); (459621.0, 3779260.4, 517.1, 517.1, 0.0);
(459671.0, 3779260.4, 517.5, 517.5, 0.0); (459721.0, 3779260.4, 517.5, 517.5, 0.0);
(459771.0, 3779260.4, 517.5, 517.5, 0.0); (459271.0, 3779310.4, 518.6, 518.6, 0.0);
(459321.0, 3779310.4, 518.6, 518.6, 0.0); (459371.0, 3779310.4, 518.9, 518.9, 0.0);
(459421.0, 3779310.4, 518.6, 518.6, 0.0); (459471.0, 3779310.4, 518.6, 518.6, 0.0);
(459521.0, 3779310.4, 519.0, 519.0, 0.0); (459571.0, 3779310.4, 518.5, 518.5, 0.0);
(459621.0, 3779310.4, 518.5, 518.5, 0.0); (459671.0, 3779310.4, 519.1, 519.1, 0.0);
(459721.0, 3779310.4, 518.9, 518.9, 0.0); (459771.0, 3779310.4, 518.9, 518.9, 0.0);
(459271.0, 3779360.4, 520.0, 520.0, 0.0); (459321.0, 3779360.4, 520.1, 520.1, 0.0);
(459371.0, 3779360.4, 520.2, 520.2, 0.0); (459421.0, 3779360.4, 520.0, 520.0, 0.0);
(459471.0, 3779360.4, 520.0, 520.0, 0.0); (459521.0, 3779360.4, 520.1, 520.1, 0.0);
(459571.0, 3779360.4, 519.8, 519.8, 0.0); (459621.0, 3779360.4, 519.9, 519.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459671.0, 3779360.4, 520.6, 520.6, 0.0); (459721.0, 3779360.4, 520.5, 520.5, 0.0);
(459771.0, 3779360.4, 520.2, 520.2, 0.0); (459271.0, 3779410.4, 521.4, 521.4, 0.0);
(459321.0, 3779410.4, 521.5, 521.5, 0.0); (459371.0, 3779410.4, 521.8, 521.8, 0.0);
(459421.0, 3779410.4, 521.3, 521.3, 0.0); (459471.0, 3779410.4, 521.6, 521.6, 0.0);
(459521.0, 3779410.4, 521.5, 521.5, 0.0); (459571.0, 3779410.4, 521.5, 521.5, 0.0);
(459621.0, 3779410.4, 521.4, 521.4, 0.0); (459671.0, 3779410.4, 522.0, 522.0, 0.0);
(459721.0, 3779410.4, 522.0, 522.0, 0.0); (459771.0, 3779410.4, 521.6, 521.6, 0.0);
(459271.0, 3779460.4, 522.9, 522.9, 0.0); (459321.0, 3779460.4, 523.0, 523.0, 0.0);
(459371.0, 3779460.4, 523.2, 523.2, 0.0); (459421.0, 3779460.4, 522.7, 522.7, 0.0);
(459471.0, 3779460.4, 523.1, 523.1, 0.0); (459521.0, 3779460.4, 522.8, 522.8, 0.0);
(459571.0, 3779460.4, 523.1, 523.1, 0.0); (459621.0, 3779460.4, 522.8, 522.8, 0.0);
(459671.0, 3779460.4, 523.5, 523.5, 0.0); (459721.0, 3779460.4, 523.5, 523.5, 0.0);
(459771.0, 3779460.4, 523.1, 523.1, 0.0); (459271.0, 3779510.4, 524.2, 524.2, 0.0);
(459321.0, 3779510.4, 524.3, 524.3, 0.0); (459371.0, 3779510.4, 524.4, 524.4, 0.0);
(459421.0, 3779510.4, 524.2, 524.2, 0.0); (459471.0, 3779510.4, 524.4, 524.4, 0.0);
(459521.0, 3779510.4, 524.2, 524.2, 0.0); (459571.0, 3779510.4, 524.5, 524.5, 0.0);
(459621.0, 3779510.4, 524.4, 524.4, 0.0); (459671.0, 3779510.4, 524.7, 524.7, 0.0);
(459721.0, 3779510.4, 524.8, 524.8, 0.0); (459771.0, 3779510.4, 524.6, 524.6, 0.0);
(459271.0, 3779560.4, 525.7, 525.7, 0.0); (459321.0, 3779560.4, 525.7, 525.7, 0.0);
(459371.0, 3779560.4, 525.8, 525.8, 0.0); (459421.0, 3779560.4, 525.6, 525.6, 0.0);

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     ( 459471.0, 3779560.4,     525.8,     525.8,       0.0);         ( 459521.0,
3779560.4,     525.5,     525.5,       0.0);
     ( 459571.0, 3779560.4,     525.9,     525.9,       0.0);         ( 459621.0,
3779560.4,     525.9,     525.9,       0.0);
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3779560.4,     526.2,     526.2,       0.0);
     ( 459771.0, 3779560.4,     526.1,     526.1,       0.0);         ( 459271.0,
3779610.4,     527.0,     527.0,       0.0);
     ( 459321.0, 3779610.4,     527.1,     527.1,       0.0);         ( 459371.0,
3779610.4,     527.3,     527.3,       0.0);
     ( 459421.0, 3779610.4,     527.2,     527.2,       0.0);         ( 459471.0,
3779610.4,     527.1,     527.1,       0.0);
     ( 459521.0, 3779610.4,     527.1,     527.1,       0.0);         ( 459571.0,
3779610.4,     527.3,     527.3,       0.0);
     ( 459621.0, 3779610.4,     527.4,     527.4,       0.0);         ( 459671.0,
3779610.4,     527.6,     527.6,       0.0);
     ( 459721.0, 3779610.4,     527.6,     527.6,       0.0);         ( 459771.0,
3779610.4,     527.5,     527.5,       0.0);
     ( 459271.0, 3779660.4,     528.3,     528.3,       0.0);         ( 459321.0,
3779660.4,     528.5,     528.5,       0.0);
     ( 459371.0, 3779660.4,     528.7,     528.7,       0.0);         ( 459421.0,
3779660.4,     528.6,     528.6,       0.0);
     ( 459471.0, 3779660.4,     528.6,     528.6,       0.0);         ( 459521.0,
3779660.4,     528.7,     528.7,       0.0);
     ( 459571.0, 3779660.4,     528.7,     528.7,       0.0);         ( 459621.0,
3779660.4,     528.9,     528.9,       0.0);
     ( 459671.0, 3779660.4,     529.1,     529.1,       0.0);         ( 459721.0,
3779660.4,     529.0,     529.0,       0.0);
     ( 459771.0, 3779660.4,     529.0,     529.0,       0.0);         ( 459271.0,
3779710.4,     529.9,     529.9,       0.0);
     ( 459321.0, 3779710.4,     529.9,     529.9,       0.0);         ( 459371.0,
3779710.4,     530.1,     530.1,       0.0);
     ( 459421.0, 3779710.4,     530.0,     530.0,       0.0);         ( 459471.0,
3779710.4,     530.1,     530.1,       0.0);
     ( 459521.0, 3779710.4,     530.2,     530.2,       0.0);         ( 459571.0,
3779710.4,     530.2,     530.2,       0.0);
     ( 459621.0, 3779710.4,     530.4,     530.4,       0.0);         ( 459671.0,
3779710.4,     530.6,     530.6,       0.0);
     ( 459721.0, 3779710.4,     530.5,     530.5,       0.0);         ( 459771.0,
3779710.4,     530.6,     530.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

                                   PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

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

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: FONT_V9_ADJU\FONT_v9.SFC
Met Version: 16216
Profile file: FONT_V9_ADJU\FONT_v9.PFL

Surface format: FREE

Fontana_Sierra Casa Grande.ADO

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190

Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

First 24 hours of scalar data

```
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
 11 01 01   1 01  -18.5  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82
1.00    1.80   69.    9.1  276.4    5.5
 11 01 01   1 02  -23.8  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   52.    9.1  275.4    5.5
 11 01 01   1 03  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   32.    9.1  275.4    5.5
 11 01 01   1 04   -1.4  0.067 -9.000 -9.000 -999.   57.     18.3  0.25   2.82
1.00    0.40   27.    9.1  274.2    5.5
 11 01 01   1 05  -18.6  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82
1.00    1.80   51.    9.1  274.2    5.5
 11 01 01   1 06  -29.7  0.296 -9.000 -9.000 -999.  387.     96.6  0.25   2.82
1.00    2.70   53.    9.1  274.2    5.5
 11 01 01   1 07  -24.0  0.239 -9.000 -9.000 -999.  282.     63.0  0.25   2.82
1.00    2.20   70.    9.1  274.2    5.5
 11 01 01   1 08   -8.4  0.138 -9.000 -9.000 -999.  127.     27.3  0.25   2.82
0.54    1.30   72.    9.1  275.4    5.5
 11 01 01   1 09   44.3  0.280  0.571  0.005  147.  356.    -43.5  0.25   2.82
0.32    2.20   67.    9.1  277.5    5.5
 11 01 01   1 10  122.7  0.264  0.952  0.005  247.  326.    -13.2  0.25   2.82
0.25    1.80   83.    9.1  279.9    5.5
 11 01 01   1 11  179.8  0.316  1.733  0.005 1017.  426.    -15.4  0.25   2.82
0.22    2.20   58.    9.1  282.0    5.5
 11 01 01   1 12  206.0  0.320  1.940  0.008 1244.  435.    -14.0  0.25   2.82
0.21    2.20  115.    9.1  283.1    5.5
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5  0.25   2.82
0.21    1.30  147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0  0.25   2.82
0.23    1.30  219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6  0.25   2.82
0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82
0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82
0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82
1.00    3.10   81.    9.1  281.4    5.5
```

```
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82
1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82
1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


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

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



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

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0004172    , L0004173
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - -
         460204.12    3779784.84        0.00080                        460254.12
3779784.84        0.00060
         460304.12    3779784.84        0.00048                        460204.12
3779834.84        0.00077
         460254.12    3779834.84        0.00059                        460304.12
3779834.84        0.00048
         460204.12    3779884.84        0.00068                        460254.12
3779884.84        0.00055
         460304.12    3779884.84        0.00046                        460204.12
3779934.84        0.00058
         460254.12    3779934.84        0.00049                        460304.12
3779934.84        0.00042
         460204.12    3779984.84        0.00050                        460254.12
3779984.84        0.00045
         460304.12    3779984.84        0.00040                        460204.12
3780034.84        0.00042
         460254.12    3780034.84        0.00038                        460304.12
3780034.84        0.00036
         460204.12    3780084.84        0.00034                        460254.12
3780084.84        0.00033
         460304.12    3780084.84        0.00032                        460204.12
3780134.84        0.00027
         460254.12    3780134.84        0.00028                        460304.12
3780134.84        0.00027
         460204.12    3780184.84        0.00023                        460254.12
3780184.84        0.00023
         460304.12    3780184.84        0.00023                        460204.12
3780234.84        0.00019
         460254.12    3780234.84        0.00020                        460304.12
3780234.84        0.00020
         460204.12    3780284.84        0.00017                        460254.12
3780284.84        0.00017
         460304.12    3780284.84        0.00017                        460204.12
3780334.84        0.00015
         460254.12    3780334.84        0.00015                        460304.12
3780334.84        0.00015
         460204.12    3780384.84        0.00013                        460254.12
3780384.84        0.00013
         460304.12    3780384.84        0.00013                        460204.12
3780434.84        0.00012
         460254.12    3780434.84        0.00012                        460304.12
3780434.84        0.00012
         460204.12    3780484.84        0.00011                        460254.12
3780484.84        0.00011
         460304.12    3780484.84        0.00011                        460204.12
3780534.84        0.00010
         460254.12    3780534.84        0.00010                        460304.12
```

3780534.84 0.00010
460054.12 3780584.84 0.00012 460104.12
3780584.84 0.00011
460204.12 3780584.84 0.00010 460254.12
3780584.84 0.00009
460304.12 3780584.84 0.00009 460054.12
3780634.84 0.00011
460104.12 3780634.84 0.00010 460204.12
3780634.84 0.00009
460254.12 3780634.84 0.00009 460304.12
3780634.84 0.00009
459854.12 3780684.84 0.00029 459904.12
3780684.84 0.00018
459954.12 3780684.84 0.00014 460004.12
3780684.84 0.00012
460054.12 3780684.84 0.00011 460104.12
3780684.84 0.00010
460204.12 3780684.84 0.00009 460254.12
3780684.84 0.00008
460304.12 3780684.84 0.00008 459854.12
3780734.84 0.00029
459904.12 3780734.84 0.00018 459954.12
3780734.84 0.00014
460004.12 3780734.84 0.00012 460054.12
3780734.84 0.00010
460104.12 3780734.84 0.00010 460204.12
3780734.84 0.00008
460254.12 3780734.84 0.00008 460304.12
3780734.84 0.00008
459854.12 3780784.84 0.00029 459904.12
3780784.84 0.00018
459954.12 3780784.84 0.00014 460004.12
3780784.84 0.00012
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 58
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189

, L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197
, L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
460054.12	3780784.84	0.00010	460104.12	3780784.84	0.00009
460204.12	3780784.84	0.00008	460254.12	3780784.84	0.00008
460304.12	3780784.84	0.00007	459854.12	3780834.84	0.00029
459904.12	3780834.84	0.00018	459954.12	3780834.84	0.00013
460004.12	3780834.84	0.00011	460054.12	3780834.84	0.00010
460104.12	3780834.84	0.00009	460204.12	3780834.84	0.00008
460254.12	3780834.84	0.00007	460304.12	3780834.84	0.00007
459854.12	3780884.84	0.00028	459904.12	3780884.84	0.00017
459954.12	3780884.84	0.00013	460004.12	3780884.84	0.00011
460054.12	3780884.84	0.00010	460104.12	3780884.84	0.00009
460204.12	3780884.84	0.00008	460254.12	3780884.84	0.00007
460304.12	3780884.84	0.00007	459854.12	3780984.84	0.00027
459904.12	3780984.84	0.00017	459954.12	3780984.84	0.00013
460004.12	3780984.84	0.00011	460054.12	3780984.84	0.00009
460104.12	3780984.84	0.00008	460204.12	3780984.84	0.00007
460254.12	3780984.84	0.00007	460304.12	3780984.84	0.00006
459854.12	3781034.84	0.00027	459904.12	3781034.84	0.00017

459954.12 3781034.84 0.00013 460004.12
3781034.84 0.00010
460054.12 3781034.84 0.00009 460104.12
3781034.84 0.00008
460204.12 3781034.84 0.00007 460254.12
3781034.84 0.00006
460304.12 3781034.84 0.00006 459854.12
3781084.84 0.00027
459904.12 3781084.84 0.00016 459954.12
3781084.84 0.00012
460004.12 3781084.84 0.00010 460054.12
3781084.84 0.00009
460104.12 3781084.84 0.00008 460204.12
3781084.84 0.00007
460254.12 3781084.84 0.00006 460304.12
3781084.84 0.00006
459854.12 3781134.84 0.00026 459904.12
3781134.84 0.00016
459954.12 3781134.84 0.00012 460004.12
3781134.84 0.00010
460054.12 3781134.84 0.00009 460104.12
3781134.84 0.00008
460204.12 3781134.84 0.00007 460254.12
3781134.84 0.00006
460304.12 3781134.84 0.00006 459854.12
3781184.84 0.00026
459904.12 3781184.84 0.00016 459954.12
3781184.84 0.00012
460004.12 3781184.84 0.00010 460054.12
3781184.84 0.00008
460104.12 3781184.84 0.00008 460204.12
3781184.84 0.00006
460254.12 3781184.84 0.00006 460304.12
3781184.84 0.00006
459854.12 3781234.84 0.00026 459904.12
3781234.84 0.00016
459954.12 3781234.84 0.00012 460004.12
3781234.84 0.00010
460054.12 3781234.84 0.00008 460104.12
3781234.84 0.00007
460204.12 3781234.84 0.00006 460254.12
3781234.84 0.00006
460304.12 3781234.84 0.00006 459854.12
3781284.84 0.00025
459904.12 3781284.84 0.00016 459954.12
3781284.84 0.00012

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
460004.12	3781284.84	0.00010	460054.12	3781284.84	0.00008
460104.12	3781284.84	0.00007	460204.12	3781284.84	0.00006
460254.12	3781284.84	0.00006	460304.12	3781284.84	0.00005
459854.12	3781334.84	0.00025	459904.12	3781334.84	0.00015
459954.12	3781334.84	0.00012	460004.12	3781334.84	0.00009
460054.12	3781334.84	0.00008	460104.12	3781334.84	0.00007
460204.12	3781334.84	0.00006	460254.12	3781334.84	0.00006
460304.12	3781334.84	0.00005	460204.12	3781384.84	0.00006
460254.12	3781384.84	0.00005	460304.12	3781384.84	0.00005
460204.12	3781434.84	0.00006	460254.12	3781434.84	0.00005
460304.12	3781434.84	0.00005	460204.12		

3781484.84 0.00006
460254.12 3781484.84 0.00005 460304.12
3781484.84 0.00005
460204.12 3781534.84 0.00006 460254.12
3781534.84 0.00005
460304.12 3781534.84 0.00005 460204.12
3781584.84 0.00005
460254.12 3781584.84 0.00005 460304.12
3781584.84 0.00005
460204.12 3781634.84 0.00005 460254.12
3781634.84 0.00005
460304.12 3781634.84 0.00005 460204.12
3781684.84 0.00005
460254.12 3781684.84 0.00005 460304.12
3781684.84 0.00004
460204.12 3781734.84 0.00005 460254.12
3781734.84 0.00005
460349.55 3779783.46 0.00041 460399.55
3779783.46 0.00036
460449.55 3779783.46 0.00032 460499.55
3779783.46 0.00028
460349.55 3779833.46 0.00041 460399.55
3779833.46 0.00036
460449.55 3779833.46 0.00031 460499.55
3779833.46 0.00028
460349.55 3779883.46 0.00040 460399.55
3779883.46 0.00035
460449.55 3779883.46 0.00031 460499.55
3779883.46 0.00028
460349.55 3779933.46 0.00037 460399.55
3779933.46 0.00033
460449.55 3779933.46 0.00030 460499.55
3779933.46 0.00027
460349.55 3779983.46 0.00034 460399.55
3779983.46 0.00031
460449.55 3779983.46 0.00028 460499.55
3779983.46 0.00026
460349.55 3780033.46 0.00033 460399.55
3780033.46 0.00031
460449.55 3780033.46 0.00029 460499.55
3780033.46 0.00026
460349.55 3780083.46 0.00031 460399.55
3780083.46 0.00029
460449.55 3780083.46 0.00027 460499.55
3780083.46 0.00025
460349.55 3780133.46 0.00027 460399.55
3780133.46 0.00026
460449.55 3780133.46 0.00025 460499.55

3780133.46 0.00024
460349.55 3780183.46 0.00023 460399.55
3780183.46 0.00023
460449.55 3780183.46 0.00023 460499.55
3780183.46 0.00022
460349.55 3780233.46 0.00020 460399.55
3780233.46 0.00020
460449.55 3780233.46 0.00020 460499.55
3780233.46 0.00020
460349.55 3780283.46 0.00017 460399.55
3780283.46 0.00018

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - -

460449.55 3780383.46 0.00014 460499.55 3780383.46 0.00014
460349.55 3780433.46 0.00012 460399.55 3780433.46 0.00012
460449.55 3780433.46 0.00012 460499.55 3780433.46 0.00013
460349.55 3780483.46 0.00011 460399.55 3780483.46 0.00011
460449.55 3780483.46 0.00011 460499.55 3780483.46 0.00011
459759.10 3781514.42 0.00027 459711.33 3781514.42 0.00015
459726.24 3781543.22 0.00017 459271.04 3777660.44 0.00022
459321.04 3777660.44 0.00024 459371.04 3777660.44 0.00027
459271.04 3777710.44 0.00023 459321.04 3777710.44 0.00025
459371.04 3777710.44 0.00028 459421.04 3777710.44 0.00032
459471.04 3777710.44 0.00037 459521.04 3777710.44 0.00044
459271.04 3777760.44 0.00023 459321.04 3777760.44 0.00026
459371.04 3777760.44 0.00029 459421.04 3777760.44 0.00033
459471.04 3777760.44 0.00038 459521.04 3777760.44 0.00045
459571.04 3777760.44 0.00054 459621.04 3777760.44 0.00069
459671.04 3777760.44 0.00094 459721.04 3777760.44 0.00150
459771.04 3777760.44 0.00379 459271.04 3777810.44 0.00024
459321.04 3777810.44 0.00026 459371.04 3777810.44 0.00030
459421.04 3777810.44 0.00033 459471.04 3777810.44 0.00038
459521.04 3777810.44 0.00045 459571.04 3777810.44 0.00055
459621.04 3777810.44 0.00070 459671.04 3777810.44 0.00095
459721.04 3777810.44 0.00150 459771.04 3777810.44 0.00376
459271.04 3777860.44 0.00024 459321.04 3777860.44 0.00027
459371.04 3777860.44 0.00030 459421.04 3777860.44 0.00034

459471.04 3777860.44 0.00039 459521.04
3777860.44 0.00046
459571.04 3777860.44 0.00055 459621.04
3777860.44 0.00070
459671.04 3777860.44 0.00096 459721.04
3777860.44 0.00150
459771.04 3777860.44 0.00375 459271.04
3777910.44 0.00024
459321.04 3777910.44 0.00027 459371.04
3777910.44 0.00031
459421.04 3777910.44 0.00035 459471.04
3777910.44 0.00039
459521.04 3777910.44 0.00046 459571.04
3777910.44 0.00056
459621.04 3777910.44 0.00070 459671.04
3777910.44 0.00096
459721.04 3777910.44 0.00151 459771.04
3777910.44 0.00372
459271.04 3777960.44 0.00024 459321.04
3777960.44 0.00027
459371.04 3777960.44 0.00031 459421.04
3777960.44 0.00035
459471.04 3777960.44 0.00040 459521.04
3777960.44 0.00046
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         459571.04    3777960.44        0.00056                       459621.04
3777960.44        0.00071
         459671.04    3777960.44        0.00096                       459721.04
3777960.44        0.00151
         459771.04    3777960.44        0.00369                       459271.04
3778010.44        0.00024
         459321.04    3778010.44        0.00027                       459371.04
3778010.44        0.00031
         459421.04    3778010.44        0.00034                       459471.04
3778010.44        0.00040
         459521.04    3778010.44        0.00047                       459571.04
3778010.44        0.00056
         459621.04    3778010.44        0.00071                       459671.04
3778010.44        0.00096
         459721.04    3778010.44        0.00150                       459771.04
3778010.44        0.00367
         459271.04    3778060.44        0.00025                       459321.04
3778060.44        0.00028
         459371.04    3778060.44        0.00031                       459421.04
3778060.44        0.00035
         459471.04    3778060.44        0.00040                       459521.04
3778060.44        0.00047
         459571.04    3778060.44        0.00056                       459621.04
3778060.44        0.00071
         459671.04    3778060.44        0.00096                       459721.04
3778060.44        0.00150
         459771.04    3778060.44        0.00365                       459271.04
3778110.44        0.00025
         459321.04    3778110.44        0.00027                       459371.04
3778110.44        0.00031
         459421.04    3778110.44        0.00035                       459471.04
3778110.44        0.00040
         459521.04    3778110.44        0.00047                       459571.04
3778110.44        0.00057
         459621.04    3778110.44        0.00072                       459671.04
3778110.44        0.00097
         459721.04    3778110.44        0.00151                       459771.04
3778110.44        0.00363
         459271.04    3778160.44        0.00025                       459321.04
3778160.44        0.00028
         459371.04    3778160.44        0.00032                       459421.04
3778160.44        0.00035
         459471.04    3778160.44        0.00040                       459521.04
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3778160.44 0.00047
459571.04 3778160.44 0.00057 459621.04
3778160.44 0.00072
459671.04 3778160.44 0.00097 459721.04
3778160.44 0.00150
459771.04 3778160.44 0.00361 459271.04
3778210.44 0.00025
459321.04 3778210.44 0.00028 459371.04
3778210.44 0.00032
459421.04 3778210.44 0.00035 459471.04
3778210.44 0.00040
459521.04 3778210.44 0.00048 459571.04
3778210.44 0.00057
459621.04 3778210.44 0.00072 459671.04
3778210.44 0.00097
459721.04 3778210.44 0.00151 459771.04
3778210.44 0.00359
459271.04 3778260.44 0.00025 459321.04
3778260.44 0.00028
459371.04 3778260.44 0.00032 459421.04
3778260.44 0.00036
459471.04 3778260.44 0.00041 459521.04
3778260.44 0.00048
459571.04 3778260.44 0.00057 459621.04
3778260.44 0.00072
459671.04 3778260.44 0.00097 459721.04
3778260.44 0.00150
459771.04 3778260.44 0.00356 459271.04
3778310.44 0.00025
459321.04 3778310.44 0.00028 459371.04
3778310.44 0.00032
459421.04 3778310.44 0.00036 459471.04
3778310.44 0.00041
459521.04 3778310.44 0.00048 459571.04
3778310.44 0.00058
459621.04 3778310.44 0.00072 459671.04
3778310.44 0.00097
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 62
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173

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, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
459721.04	3778310.44	0.00149	459771.04	3778310.44	0.00353
459271.04	3778360.44	0.00025	459321.04	3778360.44	0.00028
459371.04	3778360.44	0.00032	459421.04	3778360.44	0.00036
459471.04	3778360.44	0.00041	459521.04	3778360.44	0.00048
459571.04	3778360.44	0.00058	459621.04	3778360.44	0.00072
459671.04	3778360.44	0.00097	459721.04	3778360.44	0.00149
459771.04	3778360.44	0.00350	459271.04	3778410.44	0.00025
459321.04	3778410.44	0.00028	459371.04	3778410.44	0.00032
459421.04	3778410.44	0.00036	459471.04	3778410.44	0.00042
459521.04	3778410.44	0.00049	459571.04	3778410.44	0.00058
459621.04	3778410.44	0.00072	459671.04	3778410.44	0.00096
459721.04	3778410.44	0.00148	459771.04	3778410.44	0.00348
459271.04	3778460.44	0.00025	459321.04	3778460.44	0.00028
459371.04	3778460.44	0.00031	459421.04	3778460.44	0.00035
459471.04	3778460.44	0.00041	459521.04	3778460.44	0.00049

459571.04 3778460.44 0.00058 459621.04 3778460.44 0.00072
459671.04 3778460.44 0.00096 459721.04 3778460.44 0.00147
459771.04 3778460.44 0.00344 459271.04 3778510.44 0.00025
459321.04 3778510.44 0.00028 459371.04 3778510.44 0.00031
459421.04 3778510.44 0.00035 459471.04 3778510.44 0.00040
459521.04 3778510.44 0.00047 459571.04 3778510.44 0.00058
459621.04 3778510.44 0.00071 459671.04 3778510.44 0.00096
459721.04 3778510.44 0.00147 459771.04 3778510.44 0.00342
459271.04 3778560.44 0.00025 459321.04 3778560.44 0.00028
459371.04 3778560.44 0.00031 459421.04 3778560.44 0.00036
459471.04 3778560.44 0.00041 459521.04 3778560.44 0.00048
459571.04 3778560.44 0.00057 459621.04 3778560.44 0.00071
459671.04 3778560.44 0.00095 459721.04 3778560.44 0.00147
459771.04 3778560.44 0.00340 459271.04 3778610.44 0.00026
459321.04 3778610.44 0.00029 459371.04 3778610.44 0.00032
459421.04 3778610.44 0.00036 459471.04 3778610.44 0.00041
459521.04 3778610.44 0.00048 459571.04 3778610.44 0.00057
459621.04 3778610.44 0.00071 459671.04 3778610.44 0.00095
459721.04 3778610.44 0.00147 459771.04 3778610.44 0.00338
459271.04 3778660.44 0.00025 459321.04 3778660.44 0.00028
459371.04 3778660.44 0.00031 459421.04 3778660.44 0.00035
459471.04 3778660.44 0.00040 459521.04 3778660.44 0.00047
459571.04 3778660.44 0.00057 459621.04 3778660.44 0.00071
459671.04 3778660.44 0.00096 459721.04 3778660.44 0.00147

459771.04 3778660.44 0.00335 459271.04 3778710.44 0.00025
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - -

3778760.44 0.00071
459671.04 3778760.44 0.00096 459721.04
3778760.44 0.00146
459771.04 3778760.44 0.00332 459271.04
3778810.44 0.00025
459321.04 3778810.44 0.00028 459371.04
3778810.44 0.00031
459421.04 3778810.44 0.00035 459471.04
3778810.44 0.00040
459521.04 3778810.44 0.00047 459571.04
3778810.44 0.00057
459621.04 3778810.44 0.00071 459671.04
3778810.44 0.00096
459721.04 3778810.44 0.00146 459771.04
3778810.44 0.00329
459271.04 3778860.44 0.00025 459321.04
3778860.44 0.00028
459371.04 3778860.44 0.00031 459421.04
3778860.44 0.00035
459471.04 3778860.44 0.00040 459521.04
3778860.44 0.00047
459571.04 3778860.44 0.00057 459621.04
3778860.44 0.00071
459671.04 3778860.44 0.00096 459721.04
3778860.44 0.00145
459771.04 3778860.44 0.00327 459271.04
3778910.44 0.00025
459321.04 3778910.44 0.00028 459371.04
3778910.44 0.00031
459421.04 3778910.44 0.00035 459471.04
3778910.44 0.00041
459521.04 3778910.44 0.00048 459571.04
3778910.44 0.00057
459621.04 3778910.44 0.00071 459671.04
3778910.44 0.00095
459721.04 3778910.44 0.00145 459771.04
3778910.44 0.00326
459271.04 3778960.44 0.00025 459321.04
3778960.44 0.00028
459371.04 3778960.44 0.00031 459421.04
3778960.44 0.00035
459471.04 3778960.44 0.00040 459521.04
3778960.44 0.00047
459571.04 3778960.44 0.00057 459621.04
3778960.44 0.00071
459671.04 3778960.44 0.00095 459721.04
3778960.44 0.00145
459771.04 3778960.44 0.00325 459271.04

3779010.44 0.00025
459321.04 3779010.44 0.00027 459371.04
3779010.44 0.00031
459421.04 3779010.44 0.00035 459471.04
3779010.44 0.00040
459521.04 3779010.44 0.00047 459571.04
3779010.44 0.00057
459621.04 3779010.44 0.00071 459671.04
3779010.44 0.00095
459721.04 3779010.44 0.00145 459771.04
3779010.44 0.00325
459271.04 3779060.44 0.00024 459321.04
3779060.44 0.00027
459371.04 3779060.44 0.00031 459421.04
3779060.44 0.00035
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 64
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - -

459671.04 3779060.44 0.00095 459721.04 3779060.44 0.00145
459771.04 3779060.44 0.00325 459271.04 3779110.44 0.00024
459321.04 3779110.44 0.00027 459371.04 3779110.44 0.00030
459421.04 3779110.44 0.00035 459471.04 3779110.44 0.00040
459521.04 3779110.44 0.00047 459571.04 3779110.44 0.00057
459621.04 3779110.44 0.00071 459671.04 3779110.44 0.00095
459721.04 3779110.44 0.00145 459771.04 3779110.44 0.00326
459271.04 3779160.44 0.00024 459321.04 3779160.44 0.00027
459371.04 3779160.44 0.00030 459421.04 3779160.44 0.00034
459471.04 3779160.44 0.00040 459521.04 3779160.44 0.00047
459571.04 3779160.44 0.00057 459621.04 3779160.44 0.00071
459671.04 3779160.44 0.00095 459721.04 3779160.44 0.00145
459771.04 3779160.44 0.00326 459271.04 3779210.44 0.00024
459321.04 3779210.44 0.00027 459371.04 3779210.44 0.00030
459421.04 3779210.44 0.00034 459471.04 3779210.44 0.00040
459521.04 3779210.44 0.00047 459571.04 3779210.44 0.00057
459621.04 3779210.44 0.00071 459671.04 3779210.44 0.00095
459721.04 3779210.44 0.00145 459771.04 3779210.44 0.00327
459271.04 3779260.44 0.00024 459321.04 3779260.44 0.00027
459371.04 3779260.44 0.00030 459421.04 3779260.44 0.00034
459471.04 3779260.44 0.00040 459521.04 3779260.44 0.00047
459571.04 3779260.44 0.00057 459621.04 3779260.44 0.00071
459671.04 3779260.44 0.00096 459721.04 3779260.44 0.00146
459771.04 3779260.44 0.00327 459271.04 3779310.44 0.00023

459321.04 3779310.44 0.00026 459371.04
3779310.44 0.00030
459421.04 3779310.44 0.00034 459471.04
3779310.44 0.00039
459521.04 3779310.44 0.00046 459571.04
3779310.44 0.00057
459621.04 3779310.44 0.00071 459671.04
3779310.44 0.00096
459721.04 3779310.44 0.00146 459771.04
3779310.44 0.00327
459271.04 3779360.44 0.00023 459321.04
3779360.44 0.00026
459371.04 3779360.44 0.00029 459421.04
3779360.44 0.00034
459471.04 3779360.44 0.00039 459521.04
3779360.44 0.00046
459571.04 3779360.44 0.00056 459621.04
3779360.44 0.00071
459671.04 3779360.44 0.00096 459721.04
3779360.44 0.00146
459771.04 3779360.44 0.00328 459271.04
3779410.44 0.00023
459321.04 3779410.44 0.00025 459371.04
3779410.44 0.00029
459421.04 3779410.44 0.00033 459471.04
3779410.44 0.00039
459521.04 3779410.44 0.00046 459571.04
3779410.44 0.00056
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
459621.04	3779410.44	0.00071	459671.04	3779410.44	0.00096
459721.04	3779410.44	0.00147	459771.04	3779410.44	0.00330
459271.04	3779460.44	0.00022	459321.04	3779460.44	0.00025
459371.04	3779460.44	0.00028	459421.04	3779460.44	0.00033
459471.04	3779460.44	0.00038	459521.04	3779460.44	0.00045
459571.04	3779460.44	0.00056	459621.04	3779460.44	0.00071
459671.04	3779460.44	0.00096	459721.04	3779460.44	0.00148
459771.04	3779460.44	0.00331	459271.04	3779510.44	0.00022
459321.04	3779510.44	0.00024	459371.04	3779510.44	0.00028
459421.04	3779510.44	0.00032	459471.04	3779510.44	0.00037
459521.04	3779510.44	0.00045	459571.04	3779510.44	0.00055
459621.04	3779510.44	0.00071	459671.04	3779510.44	0.00096
459721.04	3779510.44	0.00149	459771.04	3779510.44	0.00333
459271.04	3779560.44	0.00021	459321.04	3779560.44	0.00024
459371.04	3779560.44	0.00027	459421.04	3779560.44	0.00031
459471.04	3779560.44	0.00037	459521.04	3779560.44	0.00044
459571.04	3779560.44	0.00054	459621.04	3779560.44	0.00070
459671.04	3779560.44	0.00096	459721.04	3779560.44	0.00150
459771.04	3779560.44	0.00337	459271.04	3779610.44	0.00021
459321.04	3779610.44	0.00023	459371.04		

3779610.44 0.00026
459421.04 3779610.44 0.00030 459471.04
3779610.44 0.00036
459521.04 3779610.44 0.00043 459571.04
3779610.44 0.00053
459621.04 3779610.44 0.00069 459671.04
3779610.44 0.00096
459721.04 3779610.44 0.00151 459771.04
3779610.44 0.00342
459271.04 3779660.44 0.00020 459321.04
3779660.44 0.00022
459371.04 3779660.44 0.00025 459421.04
3779660.44 0.00029
459471.04 3779660.44 0.00034 459521.04
3779660.44 0.00041
459571.04 3779660.44 0.00051 459621.04
3779660.44 0.00067
459671.04 3779660.44 0.00093 459721.04
3779660.44 0.00151
459771.04 3779660.44 0.00350 459271.04
3779710.44 0.00019
459321.04 3779710.44 0.00021 459371.04
3779710.44 0.00024
459421.04 3779710.44 0.00028 459471.04
3779710.44 0.00033
459521.04 3779710.44 0.00039 459571.04
3779710.44 0.00048
459621.04 3779710.44 0.00063 459671.04
3779710.44 0.00088
459721.04 3779710.44 0.00144 459771.04
3779710.44 0.00354
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 66
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197

, L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
460204.12	3779784.84	0.00365	(15102517)	460254.12	3779784.84	0.00254	(15102517)
460304.12	3779784.84	0.00199	(13090423)	460204.12	3779834.84	0.00376	(15102517)
460254.12	3779834.84	0.00288	(15102517)	460304.12	3779834.84	0.00225	(15102517)
460204.12	3779884.84	0.00278	(15102517)	460254.12	3779884.84	0.00239	(15102517)
460304.12	3779884.84	0.00205	(15102517)	460204.12	3779934.84	0.00235	(16072323)
460254.12	3779934.84	0.00208	(13090423)	460304.12	3779934.84	0.00187	(13090423)
460204.12	3779984.84	0.00223	(12081702)	460254.12	3779984.84	0.00200	(16072323)
460304.12	3779984.84	0.00182	(13090423)	460204.12	3780034.84	0.00239	(16062021)
460254.12	3780034.84	0.00193	(16072323)	460304.12	3780034.84	0.00177	(13090423)
460204.12	3780084.84	0.00235	(15081320)	460254.12	3780084.84	0.00210	(16062021)
460304.12	3780084.84	0.00187	(12091519)	460204.12	3780134.84	0.00230	(12101719)
460254.12	3780134.84	0.00205	(15101120)	460304.12	3780134.84	0.00187	(16062021)
460204.12	3780184.84	0.00231	(12101719)	460254.12	3780184.84	0.00203	(15081320)
460304.12	3780184.84	0.00188	(16061921)	460204.12	3780234.84	0.00229	(13100620)
460254.12	3780234.84	0.00206	(12101719)	460304.12	3780234.84	0.00188	(16061921)
460204.12	3780284.84	0.00230	(12091320)	460254.12	3780284.84	0.00210	(12101719)
460304.12	3780284.84	0.00192	(11082520)	460204.12	3780334.84	0.00233	(16072323)
460254.12	3780334.84	0.00209	(13090423)	460304.12	3780334.84	0.00191	(12101719)

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        460204.12   3780384.84        0.00236  (12081702)                460254.12
3780384.84        0.00212  (13090423)
        460304.12   3780384.84        0.00191  (12101719)                460204.12
3780434.84        0.00237  (12081702)
        460254.12   3780434.84        0.00215  (13090423)                460304.12
3780434.84        0.00194  (13082524)
        460204.12   3780484.84        0.00238  (12081702)                460254.12
3780484.84        0.00215  (13090423)
        460304.12   3780484.84        0.00196  (13090423)                460204.12
3780534.84        0.00239  (12081702)
        460254.12   3780534.84        0.00218  (13090423)                460304.12
3780534.84        0.00200  (13090423)
        460054.12   3780584.84        0.00290  (12072002)                460104.12
3780584.84        0.00275  (12080824)
        460204.12   3780584.84        0.00237  (12081702)                460254.12
3780584.84        0.00216  (16072323)
        460304.12   3780584.84        0.00201  (13090423)                460054.12
3780634.84        0.00283  (12072002)
        460104.12   3780634.84        0.00269  (12080824)                460204.12
3780634.84        0.00234  (12081702)
        460254.12   3780634.84        0.00216  (12081702)                460304.12
3780634.84        0.00201  (13090423)
        459854.12   3780684.84        0.00337  (12091321)                459904.12
3780684.84        0.00316  (15111919)
        459954.12   3780684.84        0.00301  (12071204)                460004.12
3780684.84        0.00293  (12081123)
        460054.12   3780684.84        0.00277  (12081524)                460104.12
3780684.84        0.00264  (16092019)
        460204.12   3780684.84        0.00231  (12081622)                460254.12
3780684.84        0.00215  (12081702)
        460304.12   3780684.84        0.00200  (13090423)                459854.12
3780734.84        0.00329  (12091321)
        459904.12   3780734.84        0.00308  (15111919)                459954.12
3780734.84        0.00294  (12071204)
        460004.12   3780734.84        0.00285  (12081123)                460054.12
3780734.84        0.00271  (12081524)
        460104.12   3780734.84        0.00259  (16092019)                460204.12
3780734.84        0.00228  (15082606)
        460254.12   3780734.84        0.00214  (12081702)                460304.12
3780734.84        0.00197  (16072323)
        459854.12   3780784.84        0.00321  (12091321)                459904.12
3780784.84        0.00300  (12091321)
        459954.12   3780784.84        0.00287  (12071204)                460004.12
3780784.84        0.00279  (12081123)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 , L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 , L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 , L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
460054.12	3780784.84	0.00266	(12081524)	460104.12	3780784.84	0.00254	(16092019)
460204.12	3780784.84	0.00225	(15082606)	460254.12	3780784.84	0.00212	(12081702)
460304.12	3780784.84	0.00196	(16072323)	459854.12	3780834.84	0.00314	(16071501)
459904.12	3780834.84	0.00293	(12091321)	459954.12	3780834.84	0.00280	(12071204)
460004.12	3780834.84	0.00271	(12081123)	460054.12	3780834.84	0.00260	(12081524)
460104.12	3780834.84	0.00248	(16092019)	460204.12	3780834.84	0.00221	(15082606)
460254.12	3780834.84	0.00209	(12081702)	460304.12	3780834.84	0.00194	(12081702)
459854.12	3780884.84	0.00306	(16071501)	459904.12	3780884.84	0.00286	(12091321)
459954.12	3780884.84	0.00273	(12071204)	460004.12	3780884.84	0.00264	(12081123)
460054.12	3780884.84	0.00253	(12081524)	460104.12	3780884.84	0.00241	(16092019)
460204.12	3780884.84	0.00217	(15082606)	460254.12	3780884.84	0.00205	(12081702)
460304.12	3780884.84	0.00193	(12081702)	459854.12			

3780984.84 0.00293 (16071501)
459904.12 3780984.84 0.00272 (12091321) 459954.12
3780984.84 0.00259 (12071204)
460004.12 3780984.84 0.00249 (15101506) 460054.12
3780984.84 0.00241 (12081123)
460104.12 3780984.84 0.00231 (12072002) 460204.12
3780984.84 0.00209 (12080824)
460254.12 3780984.84 0.00200 (15082606) 460304.12
3780984.84 0.00190 (12081702)
459854.12 3781034.84 0.00286 (16071501) 459904.12
3781034.84 0.00266 (12091321)
459954.12 3781034.84 0.00252 (12071204) 460004.12
3781034.84 0.00243 (15101506)
460054.12 3781034.84 0.00236 (12081123) 460104.12
3781034.84 0.00225 (12072002)
460204.12 3781034.84 0.00206 (12080824) 460254.12
3781034.84 0.00196 (15082606)
460304.12 3781034.84 0.00186 (12081702) 459854.12
3781084.84 0.00280 (16071501)
459904.12 3781084.84 0.00260 (12091321) 459954.12
3781084.84 0.00246 (12071204)
460004.12 3781084.84 0.00237 (15101506) 460054.12
3781084.84 0.00230 (12081123)
460104.12 3781084.84 0.00219 (12072002) 460204.12
3781084.84 0.00203 (12080824)
460254.12 3781084.84 0.00193 (15082606) 460304.12
3781084.84 0.00182 (12081702)
459854.12 3781134.84 0.00274 (16071501) 459904.12
3781134.84 0.00254 (12091321)
459954.12 3781134.84 0.00239 (12071204) 460004.12
3781134.84 0.00231 (15101506)
460054.12 3781134.84 0.00225 (12081123) 460104.12
3781134.84 0.00215 (12081524)
460204.12 3781134.84 0.00199 (12080824) 460254.12
3781134.84 0.00189 (15082606)
460304.12 3781134.84 0.00180 (12081622) 459854.12
3781184.84 0.00267 (16071501)
459904.12 3781184.84 0.00248 (12091321) 459954.12
3781184.84 0.00234 (15111919)
460004.12 3781184.84 0.00225 (15101506) 460054.12
3781184.84 0.00220 (12081123)
460104.12 3781184.84 0.00210 (12081524) 460204.12
3781184.84 0.00195 (12080824)
460254.12 3781184.84 0.00184 (15082606) 460304.12
3781184.84 0.00176 (15082606)
459854.12 3781234.84 0.00260 (16071501) 459904.12
3781234.84 0.00242 (12091321)
459954.12 3781234.84 0.00229 (15111919) 460004.12

3781234.84 0.00219 (15101506)
460054.12 3781234.84 0.00214 (12081123) 460104.12
3781234.84 0.00205 (12081524)
460204.12 3781234.84 0.00190 (12080824) 460254.12
3781234.84 0.00180 (13061901)
460304.12 3781234.84 0.00174 (15082606) 459854.12
3781284.84 0.00253 (16071501)
459904.12 3781284.84 0.00237 (12091321) 459954.12
3781284.84 0.00224 (15111919)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

460054.12 3781334.84 0.00203 (12081123) 460104.12 3781334.84 0.00195 (12081524)
460204.12 3781334.84 0.00182 (16092019) 460254.12 3781334.84 0.00175 (12080824)
460304.12 3781334.84 0.00168 (15082606) 460204.12 3781384.84 0.00179 (16092019)
460254.12 3781384.84 0.00172 (12080824) 460304.12 3781384.84 0.00165 (15082606)
460204.12 3781434.84 0.00175 (16092019) 460254.12 3781434.84 0.00170 (12080824)
460304.12 3781434.84 0.00162 (13061901) 460204.12 3781484.84 0.00172 (16092019)
460254.12 3781484.84 0.00167 (12080824) 460304.12 3781484.84 0.00160 (13061901)
460204.12 3781534.84 0.00169 (16092019) 460254.12 3781534.84 0.00164 (12080824)
460304.12 3781534.84 0.00156 (12080824) 460204.12 3781584.84 0.00165 (12072002)
460254.12 3781584.84 0.00160 (16092019) 460304.12 3781584.84 0.00154 (12080824)
460204.12 3781634.84 0.00162 (12072002) 460254.12 3781634.84 0.00158 (16092019)
460304.12 3781634.84 0.00152 (12080824) 460204.12 3781684.84 0.00159 (12072002)
460254.12 3781684.84 0.00155 (16092019) 460304.12 3781684.84 0.00150 (12080824)
460204.12 3781734.84 0.00156 (12072002) 460254.12 3781734.84 0.00152 (16092019)
460349.55 3779783.46 0.00178 (11080123) 460399.55 3779783.46 0.00162 (13082524)
460449.55 3779783.46 0.00148 (11123117) 460499.55 3779783.46 0.00136 (15073005)
460349.55 3779833.46 0.00181 (15102517) 460399.55 3779833.46 0.00160 (13082524)
460449.55 3779833.46 0.00147 (11123117) 460499.55 3779833.46 0.00135 (11070924)
460349.55 3779883.46 0.00177 (15102517) 460399.55 3779883.46 0.00158 (13082524)
460449.55 3779883.46 0.00146 (13082524) 460499.55 3779883.46 0.00134 (11123117)
460349.55 3779933.46 0.00171 (11080123) 460399.55 3779933.46 0.00156 (13082524)
460449.55 3779933.46 0.00144 (13082524) 460499.55 3779933.46 0.00132 (11123117)
460349.55 3779983.46 0.00167 (13090423) 460399.55 3779983.46 0.00153 (13082524)
460449.55 3779983.46 0.00142 (13082524) 460499.55 3779983.46 0.00131 (11123117)

```
        460349.55   3780033.46        0.00164  (13090423)                460399.55
3780033.46        0.00151  (11080123)
        460449.55   3780033.46        0.00139  (13082524)                460499.55
3780033.46        0.00130  (11123117)
        460349.55   3780083.46        0.00168  (15092020)                460399.55
3780083.46        0.00150  (15092020)
        460449.55   3780083.46        0.00137  (13082524)                460499.55
3780083.46        0.00128  (13082524)
        460349.55   3780133.46        0.00170  (12091519)                460399.55
3780133.46        0.00153  (16081420)
        460449.55   3780133.46        0.00139  (15092020)                460499.55
3780133.46        0.00128  (12071819)
        460349.55   3780183.46        0.00174  (16062021)                460399.55
3780183.46        0.00159  (12091519)
        460449.55   3780183.46        0.00145  (16081420)                460499.55
3780183.46        0.00134  (15062821)
        460349.55   3780233.46        0.00171  (13082921)                460399.55
3780233.46        0.00158  (16062021)
        460449.55   3780233.46        0.00144  (12091519)                460499.55
3780233.46        0.00133  (16081420)
        460349.55   3780283.46        0.00178  (16061921)                460399.55
3780283.46        0.00164  (13082921)
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                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0004172    , L0004173
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - -
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3777810.44 0.00114 (13071606)
459521.04 3777810.44 0.00134 (13071606) 459571.04
3777810.44 0.00162 (13071606)
459621.04 3777810.44 0.00204 (13071606) 459671.04
3777810.44 0.00275 (13071606)
459721.04 3777810.44 0.00438 (16012717) 459771.04
3777810.44 0.01176 (16012717)
459271.04 3777860.44 0.00071 (13071606) 459321.04
3777860.44 0.00079 (13071606)
459371.04 3777860.44 0.00088 (13071606) 459421.04
3777860.44 0.00100 (13071606)
459471.04 3777860.44 0.00119 (16031621) 459521.04
3777860.44 0.00136 (13071606)
459571.04 3777860.44 0.00165 (12101801) 459621.04
3777860.44 0.00207 (13071606)
459671.04 3777860.44 0.00278 (13071606) 459721.04
3777860.44 0.00437 (16012717)
459771.04 3777860.44 0.01174 (16012717) 459271.04
3777910.44 0.00091 (13051221)
459321.04 3777910.44 0.00093 (13092605) 459371.04
3777910.44 0.00090 (13071606)
459421.04 3777910.44 0.00102 (13071606) 459471.04
3777910.44 0.00128 (16031621)
459521.04 3777910.44 0.00147 (12101801) 459571.04
3777910.44 0.00179 (12081122)
459621.04 3777910.44 0.00214 (11082701) 459671.04
3777910.44 0.00280 (13071606)
459721.04 3777910.44 0.00436 (16012717) 459771.04
3777910.44 0.01163 (16012717)
459271.04 3777960.44 0.00092 (13051221) 459321.04
3777960.44 0.00100 (15090824)
459371.04 3777960.44 0.00092 (13071606) 459421.04
3777960.44 0.00109 (16031621)
459471.04 3777960.44 0.00131 (13051321) 459521.04
3777960.44 0.00158 (16061822)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181

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, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        459571.04   3777960.44        0.00191  (12081122)                459621.04
3777960.44        0.00224  (15101121)
        459671.04   3777960.44        0.00282  (13071606)                459721.04
3777960.44        0.00435  (16012717)
        459771.04   3777960.44        0.01149  (16012717)                459271.04
3778010.44        0.00096  (15090824)
        459321.04   3778010.44        0.00094  (13103120)                459371.04
3778010.44        0.00104  (16031621)
        459421.04   3778010.44        0.00127  (16031621)                459471.04
3778010.44        0.00136  (16061822)
        459521.04   3778010.44        0.00165  (12081122)                459571.04
3778010.44        0.00199  (13082623)
        459621.04   3778010.44        0.00232  (12091206)                459671.04
3778010.44        0.00296  (15090919)
        459721.04   3778010.44        0.00434  (16012717)                459771.04
3778010.44        0.01147  (16012717)
        459271.04   3778060.44        0.00101  (15090824)                459321.04
3778060.44        0.00099  (15060920)
        459371.04   3778060.44        0.00119  (15060920)                459421.04
3778060.44        0.00131  (13051321)
        459471.04   3778060.44        0.00149  (16061822)                459521.04
3778060.44        0.00173  (12081122)
        459571.04   3778060.44        0.00206  (15101121)                459621.04
3778060.44        0.00239  (12091206)
        459671.04   3778060.44        0.00304  (15090919)                459721.04
3778060.44        0.00433  (16012717)
        459771.04   3778060.44        0.01140  (16012717)                459271.04
3778110.44        0.00104  (15090824)
        459321.04   3778110.44        0.00116  (15060920)                459371.04
3778110.44        0.00121  (11070903)
        459421.04   3778110.44        0.00137  (13051321)                459471.04
3778110.44        0.00159  (12081122)
```

459521.04 3778110.44 0.00181 (13082901) 459571.04
3778110.44 0.00212 (15101121)
459621.04 3778110.44 0.00244 (15090919) 459671.04
3778110.44 0.00303 (15090919)
459721.04 3778110.44 0.00433 (16012717) 459771.04
3778110.44 0.01130 (16012717)
459271.04 3778160.44 0.00109 (15060920) 459321.04
3778160.44 0.00120 (15060920)
459371.04 3778160.44 0.00106 (16061822) 459421.04
3778160.44 0.00142 (16061822)
459471.04 3778160.44 0.00163 (12081122) 459521.04
3778160.44 0.00185 (13082623)
459571.04 3778160.44 0.00217 (15101121) 459621.04
3778160.44 0.00251 (15090919)
459671.04 3778160.44 0.00314 (15090919) 459721.04
3778160.44 0.00432 (13071606)
459771.04 3778160.44 0.01126 (16012717) 459271.04
3778210.44 0.00114 (15060920)
459321.04 3778210.44 0.00124 (11070903) 459371.04
3778210.44 0.00108 (12081122)
459421.04 3778210.44 0.00146 (12081122) 459471.04
3778210.44 0.00168 (12081122)
459521.04 3778210.44 0.00190 (15101121) 459571.04
3778210.44 0.00221 (12091206)
459621.04 3778210.44 0.00259 (15090919) 459671.04
3778210.44 0.00315 (15090919)
459721.04 3778210.44 0.00432 (13071606) 459771.04
3778210.44 0.01118 (16012717)
459271.04 3778260.44 0.00117 (15060920) 459321.04
3778260.44 0.00128 (13051321)
459371.04 3778260.44 0.00123 (12081122) 459421.04
3778260.44 0.00148 (12081122)
459471.04 3778260.44 0.00171 (13082623) 459521.04
3778260.44 0.00194 (15101121)
459571.04 3778260.44 0.00223 (12091206) 459621.04
3778260.44 0.00266 (15090919)
459671.04 3778260.44 0.00322 (11071924) 459721.04
3778260.44 0.00432 (13071606)
459771.04 3778260.44 0.01105 (16012717) 459271.04
3778310.44 0.00119 (11070903)
459321.04 3778310.44 0.00129 (13051321) 459371.04
3778310.44 0.00138 (12081122)
459421.04 3778310.44 0.00151 (12081122) 459471.04
3778310.44 0.00171 (15101121)
459521.04 3778310.44 0.00194 (15101121) 459571.04
3778310.44 0.00222 (11100120)
459621.04 3778310.44 0.00270 (15090919) 459671.04
3778310.44 0.00332 (15060822)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459721.04	3778310.44	0.00449	(12081101)	459771.04	3778310.44	0.01096	(16012717)
459271.04	3778360.44	0.00120	(13051321)	459321.04	3778360.44	0.00129	(16061822)
459371.04	3778360.44	0.00122	(13082901)	459421.04	3778360.44	0.00147	(13082623)
459471.04	3778360.44	0.00170	(15101121)	459521.04	3778360.44	0.00197	(12091206)
459571.04	3778360.44	0.00230	(11100120)	459621.04	3778360.44	0.00275	(15090919)
459671.04	3778360.44	0.00336	(15060822)	459721.04	3778360.44	0.00455	(12081101)
459771.04	3778360.44	0.01091	(16012717)	459271.04	3778410.44	0.00125	(13051321)
459321.04	3778410.44	0.00137	(16061822)	459371.04	3778410.44	0.00147	(12081122)
459421.04	3778410.44	0.00152	(15101121)	459471.04	3778410.44	0.00161	(15101121)
459521.04	3778410.44	0.00186	(12091206)	459571.04			

3778410.44 0.00233 (15090919)
459621.04 3778410.44 0.00284 (15090919) 459671.04
3778410.44 0.00349 (15060822)
459721.04 3778410.44 0.00467 (12081101) 459771.04
3778410.44 0.01084 (16012717)
459271.04 3778460.44 0.00127 (13051321) 459321.04
3778460.44 0.00138 (16061822)
459371.04 3778460.44 0.00153 (12081122) 459421.04
3778460.44 0.00169 (13082623)
459471.04 3778460.44 0.00181 (15101121) 459521.04
3778460.44 0.00192 (11100120)
459571.04 3778460.44 0.00223 (15090919) 459621.04
3778460.44 0.00292 (15090919)
459671.04 3778460.44 0.00354 (15060822) 459721.04
3778460.44 0.00485 (12081101)
459771.04 3778460.44 0.01077 (16012717) 459271.04
3778510.44 0.00132 (15082522)
459321.04 3778510.44 0.00143 (16102718) 459371.04
3778510.44 0.00154 (16062105)
459421.04 3778510.44 0.00171 (15101121) 459471.04
3778510.44 0.00192 (15101121)
459521.04 3778510.44 0.00217 (12091206) 459571.04
3778510.44 0.00240 (15090919)
459621.04 3778510.44 0.00296 (15090919) 459671.04
3778510.44 0.00366 (15060822)
459721.04 3778510.44 0.00479 (12081101) 459771.04
3778510.44 0.01067 (16012717)
459271.04 3778560.44 0.00132 (16102718) 459321.04
3778560.44 0.00143 (12081122)
459371.04 3778560.44 0.00156 (13082623) 459421.04
3778560.44 0.00172 (15101121)
459471.04 3778560.44 0.00192 (15101121) 459521.04
3778560.44 0.00217 (12091206)
459571.04 3778560.44 0.00257 (15090919) 459621.04
3778560.44 0.00308 (15090919)
459671.04 3778560.44 0.00372 (15060822) 459721.04
3778560.44 0.00480 (12081101)
459771.04 3778560.44 0.01061 (16012717) 459271.04
3778610.44 0.00127 (12081122)
459321.04 3778610.44 0.00141 (13082901) 459371.04
3778610.44 0.00157 (13082623)
459421.04 3778610.44 0.00170 (15101121) 459471.04
3778610.44 0.00189 (12091206)
459521.04 3778610.44 0.00216 (11100120) 459571.04
3778610.44 0.00260 (15090919)
459621.04 3778610.44 0.00304 (15090919) 459671.04
3778610.44 0.00375 (15060822)
459721.04 3778610.44 0.00484 (12081101) 459771.04

3778610.44 0.01056 (16012717)
459271.04 3778660.44 0.00138 (16102718) 459321.04
3778660.44 0.00151 (16062105)
459371.04 3778660.44 0.00166 (16072824) 459421.04
3778660.44 0.00182 (13092321)
459471.04 3778660.44 0.00201 (13082423) 459521.04
3778660.44 0.00227 (15081522)
459571.04 3778660.44 0.00261 (15090919) 459621.04
3778660.44 0.00307 (15020821)
459671.04 3778660.44 0.00375 (15060822) 459721.04
3778660.44 0.00483 (12081101)
459771.04 3778660.44 0.01047 (16012717) 459271.04
3778710.44 0.00143 (16102718)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

459621.04 3778710.44 0.00314 (13090422) 459671.04
3778710.44 0.00374 (15060822)
459721.04 3778710.44 0.00499 (12081101) 459771.04
3778710.44 0.01042 (16012717)
459271.04 3778760.44 0.00144 (15083102) 459321.04
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459371.04 3778760.44 0.00171 (13092321) 459421.04
3778760.44 0.00189 (13082423)
459471.04 3778760.44 0.00210 (15081522) 459521.04
3778760.44 0.00238 (13090305)
459571.04 3778760.44 0.00273 (15063020) 459621.04
3778760.44 0.00312 (11071924)
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3778760.44 0.00500 (12081101)
459771.04 3778760.44 0.01040 (16012717) 459271.04
3778810.44 0.00147 (16062105)
459321.04 3778810.44 0.00160 (16072824) 459371.04
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459421.04 3778810.44 0.00192 (13082423) 459471.04
3778810.44 0.00215 (15081522)
459521.04 3778810.44 0.00241 (13090305) 459571.04
3778810.44 0.00274 (13090422)
459621.04 3778810.44 0.00316 (11071924) 459671.04
3778810.44 0.00380 (15060822)
459721.04 3778810.44 0.00503 (12081101) 459771.04
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459271.04 3778860.44 0.00148 (16072824) 459321.04
3778860.44 0.00161 (16072824)
459371.04 3778860.44 0.00176 (13092321) 459421.04
3778860.44 0.00192 (13082423)
459471.04 3778860.44 0.00216 (15081522) 459521.04
3778860.44 0.00243 (15063020)
459571.04 3778860.44 0.00274 (13090422) 459621.04
3778860.44 0.00317 (11071924)
459671.04 3778860.44 0.00379 (16073003) 459721.04
3778860.44 0.00500 (12081101)
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459321.04 3778910.44 0.00161 (13092321) 459371.04
3778910.44 0.00177 (13092321)
459421.04 3778910.44 0.00193 (16070903) 459471.04
3778910.44 0.00217 (15081522)
459521.04 3778910.44 0.00244 (15063020) 459571.04
3778910.44 0.00278 (13090422)
459621.04 3778910.44 0.00320 (15060822) 459671.04
3778910.44 0.00385 (16073003)
459721.04 3778910.44 0.00506 (12081101) 459771.04
3778910.44 0.01027 (16012717)

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        459271.04   3778960.44        0.00153  (16072824)                459321.04
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        459571.04   3778960.44        0.00285  (13090422)                459621.04
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        459671.04   3778960.44        0.00391  (16073003)                459721.04
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        459321.04   3779010.44        0.00168  (13092321)                459371.04
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        459421.04   3779010.44        0.00201  (15081522)                459471.04
3779010.44        0.00226  (15081522)
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3779010.44        0.00289  (13090422)
        459621.04   3779010.44        0.00329  (13090923)                459671.04
3779010.44        0.00396  (12082102)
        459721.04   3779010.44        0.00520  (12081101)                459771.04
3779010.44        0.01032  (16012717)
        459271.04   3779060.44        0.00156  (16072824)                459321.04
3779060.44        0.00170  (13092321)
        459371.04   3779060.44        0.00184  (13082423)                459421.04
3779060.44        0.00204  (15081522)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:59:05

                                 PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0004172    , L0004173
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        459471.04   3779060.44        0.00229  (13090305)                459521.04
3779060.44        0.00257  (15063020)
        459571.04   3779060.44        0.00292  (13090422)                459621.04
3779060.44        0.00334  (13090923)
        459671.04   3779060.44        0.00400  (12082102)                459721.04
3779060.44        0.00523  (12092121)
        459771.04   3779060.44        0.01038  (16012717)                459271.04
3779110.44        0.00157  (13092321)
        459321.04   3779110.44        0.00171  (13092321)                459371.04
3779110.44        0.00186  (12080203)
        459421.04   3779110.44        0.00207  (15081522)                459471.04
3779110.44        0.00231  (13090305)
        459521.04   3779110.44        0.00260  (15063020)                459571.04
3779110.44        0.00296  (13090422)
        459621.04   3779110.44        0.00339  (13090923)                459671.04
3779110.44        0.00403  (15102423)
        459721.04   3779110.44        0.00526  (12092121)                459771.04
3779110.44        0.01046  (16012717)
        459271.04   3779160.44        0.00158  (13092321)                459321.04
3779160.44        0.00172  (13082423)
        459371.04   3779160.44        0.00188  (16070903)                459421.04
3779160.44        0.00209  (15081522)
        459471.04   3779160.44        0.00232  (15063020)                459521.04
3779160.44        0.00263  (13090422)
        459571.04   3779160.44        0.00299  (13090422)                459621.04
3779160.44        0.00342  (13090923)
        459671.04   3779160.44        0.00407  (15102423)                459721.04
3779160.44        0.00532  (12092121)
        459771.04   3779160.44        0.01050  (16012717)                459271.04
3779210.44        0.00160  (13092321)
        459321.04   3779210.44        0.00173  (13082423)                459371.04
3779210.44        0.00189  (16070903)
        459421.04   3779210.44        0.00211  (15081522)                459471.04
3779210.44        0.00235  (15063020)
        459521.04   3779210.44        0.00266  (13090422)                459571.04
3779210.44        0.00301  (13090422)
        459621.04   3779210.44        0.00345  (13090923)                459671.04
3779210.44        0.00413  (15102423)
        459721.04   3779210.44        0.00537  (12092121)                459771.04
3779210.44        0.01055  (16012717)
        459271.04   3779260.44        0.00161  (13092321)                459321.04
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3779260.44 0.00174 (13082423)
459371.04 3779260.44 0.00191 (15081522) 459421.04
3779260.44 0.00212 (15081522)
459471.04 3779260.44 0.00237 (15063020) 459521.04
3779260.44 0.00269 (13090422)
459571.04 3779260.44 0.00303 (13090422) 459621.04
3779260.44 0.00349 (13090923)
459671.04 3779260.44 0.00420 (15102423) 459721.04
3779260.44 0.00541 (12092121)
459771.04 3779260.44 0.01059 (16012717) 459271.04
3779310.44 0.00162 (13092321)
459321.04 3779310.44 0.00175 (13082423) 459371.04
3779310.44 0.00193 (15081522)
459421.04 3779310.44 0.00213 (13090305) 459471.04
3779310.44 0.00239 (15063020)
459521.04 3779310.44 0.00271 (13090422) 459571.04
3779310.44 0.00304 (13090422)
459621.04 3779310.44 0.00353 (13090923) 459671.04
3779310.44 0.00427 (15102423)
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3779310.44 0.01064 (16012717)
459271.04 3779360.44 0.00162 (13082423) 459321.04
3779360.44 0.00175 (16070903)
459371.04 3779360.44 0.00194 (15081522) 459421.04
3779360.44 0.00215 (13090305)
459471.04 3779360.44 0.00241 (15063020) 459521.04
3779360.44 0.00273 (13090422)
459571.04 3779360.44 0.00305 (13090422) 459621.04
3779360.44 0.00357 (13090923)
459671.04 3779360.44 0.00433 (15102423) 459721.04
3779360.44 0.00555 (12092121)
459771.04 3779360.44 0.01072 (16012717) 459271.04
3779410.44 0.00162 (13082423)
459321.04 3779410.44 0.00176 (16070903) 459371.04
3779410.44 0.00195 (15081522)
459421.04 3779410.44 0.00216 (13090305) 459471.04
3779410.44 0.00242 (15063020)
459521.04 3779410.44 0.00275 (13090422) 459571.04
3779410.44 0.00309 (13061801)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 74
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 , L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 , L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 , L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459621.04	3779410.44	0.00361	(13090923)	459671.04	3779410.44	0.00438	(15102423)
459721.04	3779410.44	0.00562	(12092121)	459771.04	3779410.44	0.01076	(16012717)
459271.04	3779460.44	0.00162	(13082423)	459321.04	3779460.44	0.00176	(16070903)
459371.04	3779460.44	0.00196	(15081522)	459421.04	3779460.44	0.00216	(13090305)
459471.04	3779460.44	0.00243	(15063020)	459521.04	3779460.44	0.00276	(13090422)
459571.04	3779460.44	0.00312	(13061801)	459621.04	3779460.44	0.00364	(12082102)
459671.04	3779460.44	0.00444	(15102423)	459721.04	3779460.44	0.00569	(11090423)
459771.04	3779460.44	0.01078	(16012717)	459271.04	3779510.44	0.00162	(13082423)
459321.04	3779510.44	0.00177	(15081522)	459371.04	3779510.44	0.00196	(15081522)
459421.04	3779510.44	0.00217	(15063020)	459471.04	3779510.44	0.00244	(15063020)
459521.04	3779510.44	0.00277	(13090422)	459571.04	3779510.44	0.00313	(13061801)
459621.04	3779510.44	0.00369	(12082102)	459671.04	3779510.44	0.00447	(12092121)
459721.04	3779510.44	0.00576	(11090423)	459771.04	3779510.44	0.01076	(16012717)
459271.04	3779560.44	0.00161	(12080203)	459321.04	3779560.44	0.00177	(15081522)

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        459371.04   3779560.44        0.00195  (15081522)                459421.04
3779560.44        0.00217  (15063020)
        459471.04   3779560.44        0.00243  (13090422)                459521.04
3779560.44        0.00277  (13090422)
        459571.04   3779560.44        0.00314  (13061801)                459621.04
3779560.44        0.00372  (12082102)
        459671.04   3779560.44        0.00453  (12092121)                459721.04
3779560.44        0.00584  (11090423)
        459771.04   3779560.44        0.01061  (16012717)                459271.04
3779610.44        0.00161  (16070903)
        459321.04   3779610.44        0.00177  (15081522)                459371.04
3779610.44        0.00195  (15081522)
        459421.04   3779610.44        0.00217  (15063020)                459471.04
3779610.44        0.00243  (13090422)
        459521.04   3779610.44        0.00277  (13090422)                459571.04
3779610.44        0.00315  (13090923)
        459621.04   3779610.44        0.00374  (12082102)                459671.04
3779610.44        0.00456  (12092121)
        459721.04   3779610.44        0.00595  (11092608)                459771.04
3779610.44        0.01064  (11092608)
        459271.04   3779660.44        0.00160  (16070903)                459321.04
3779660.44        0.00176  (15081522)
        459371.04   3779660.44        0.00194  (13090305)                459421.04
3779660.44        0.00216  (15063020)
        459471.04   3779660.44        0.00243  (13090422)                459521.04
3779660.44        0.00275  (13090422)
        459571.04   3779660.44        0.00314  (13090923)                459621.04
3779660.44        0.00373  (12082102)
        459671.04   3779660.44        0.00458  (12092121)                459721.04
3779660.44        0.00639  (11092608)
        459771.04   3779660.44        0.01276  (11092608)                459271.04
3779710.44        0.00159  (16070903)
        459321.04   3779710.44        0.00175  (15081522)                459371.04
3779710.44        0.00192  (13090305)
        459421.04   3779710.44        0.00215  (15063020)                459471.04
3779710.44        0.00241  (13090422)
        459521.04   3779710.44        0.00273  (13090422)                459571.04
3779710.44        0.00312  (13090923)
        459621.04   3779710.44        0.00370  (12082102)                459671.04
3779710.44        0.00453  (12092121)
        459721.04   3779710.44        0.00590  (11090423)                459771.04
3779710.44        0.01435  (11092608)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0004172    , L0004173
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
        460204.12   3779784.84        0.00126  (16051524)                460254.12
3779784.84        0.00095m (13112024)
        460304.12   3779784.84        0.00077  (12120224)                460204.12
3779834.84        0.00120  (12050124)
        460254.12   3779834.84        0.00093  (12050124)                460304.12
3779834.84        0.00078  (12120224)
        460204.12   3779884.84        0.00115  (12120224)                460254.12
3779884.84        0.00093  (12120224)
        460304.12   3779884.84        0.00079  (12120224)                460204.12
3779934.84        0.00118  (12120224)
        460254.12   3779934.84        0.00095  (12120224)                460304.12
3779934.84        0.00079  (12120224)
        460204.12   3779984.84        0.00125  (12120224)                460254.12
3779984.84        0.00105  (12120224)
        460304.12   3779984.84        0.00088  (12120224)                460204.12
3780034.84        0.00128  (12120224)
        460254.12   3780034.84        0.00106  (12120224)                460304.12
3780034.84        0.00093  (12120224)
        460204.12   3780084.84        0.00115  (12120224)                460254.12
3780084.84        0.00109  (12120224)
        460304.12   3780084.84        0.00100  (12120224)                460204.12
3780134.84        0.00100  (12120224)
        460254.12   3780134.84        0.00098  (12120224)                460304.12
3780134.84        0.00094  (12120224)
        460204.12   3780184.84        0.00084  (12120224)                460254.12
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3780184.84 0.00087 (12120224)
460304.12 3780184.84 0.00088 (12120224) 460204.12
3780234.84 0.00071 (12120224)
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460204.12 3780284.84 0.00063 (13120724) 460254.12
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460304.12 3780284.84 0.00069 (12120224) 460204.12
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460254.12 3780334.84 0.00055 (12120224) 460304.12
3780334.84 0.00059 (12120224)
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460304.12 3780384.84 0.00051 (12120224) 460204.12
3780434.84 0.00055 (13120724)
460254.12 3780434.84 0.00050 (13120724) 460304.12
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460204.12 3780484.84 0.00053 (13120724) 460254.12
3780484.84 0.00048 (13120724)
460304.12 3780484.84 0.00044 (13120724) 460204.12
3780534.84 0.00050 (13120724)
460254.12 3780534.84 0.00046 (13120724) 460304.12
3780534.84 0.00042 (13120724)
460054.12 3780584.84 0.00055 (13120724) 460104.12
3780584.84 0.00054 (13120724)
460204.12 3780584.84 0.00048 (13120724) 460254.12
3780584.84 0.00044 (13120724)
460304.12 3780584.84 0.00041 (13120724) 460054.12
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460104.12 3780634.84 0.00052 (13120724) 460204.12
3780634.84 0.00046 (13120724)
460254.12 3780634.84 0.00042 (13120724) 460304.12
3780634.84 0.00039 (13120724)
459854.12 3780684.84 0.00058 (16051824) 459904.12
3780684.84 0.00049 (13120724)
459954.12 3780684.84 0.00050 (13120724) 460004.12
3780684.84 0.00051 (13120724)
460054.12 3780684.84 0.00051 (13120724) 460104.12
3780684.84 0.00049 (13120724)
460204.12 3780684.84 0.00044 (13120724) 460254.12
3780684.84 0.00041 (13120724)
460304.12 3780684.84 0.00037 (13120724) 459854.12
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459904.12 3780734.84 0.00048 (13120724) 459954.12
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3780734.84 0.00049 (13120724)
460104.12 3780734.84 0.00047 (13120724) 460204.12

3780734.84 0.00042 (13120724)
460254.12 3780734.84 0.00039 (13120724) 460304.12
3780734.84 0.00036 (13120724)
459854.12 3780784.84 0.00056 (16051824) 459904.12
3780784.84 0.00046 (13120724)
459954.12 3780784.84 0.00046 (13120724) 460004.12
3780784.84 0.00046 (13120724)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

460254.12 3780834.84 0.00036 (13120724) 460304.12
3780834.84 0.00033 (13120724)
459854.12 3780884.84 0.00054 (16051824) 459904.12
3780884.84 0.00043 (13120724)
459954.12 3780884.84 0.00042 (13120724) 460004.12
3780884.84 0.00043 (13120724)
460054.12 3780884.84 0.00043 (13120724) 460104.12
3780884.84 0.00042 (13120724)
460204.12 3780884.84 0.00038 (13120724) 460254.12
3780884.84 0.00035 (13120724)
460304.12 3780884.84 0.00032 (13120724) 459854.12
3780984.84 0.00052 (16051824)
459904.12 3780984.84 0.00040 (13120724) 459954.12
3780984.84 0.00039 (13120724)
460004.12 3780984.84 0.00040 (13120724) 460054.12
3780984.84 0.00040 (13120724)
460104.12 3780984.84 0.00039 (13120724) 460204.12
3780984.84 0.00035 (13120724)
460254.12 3780984.84 0.00033 (13120724) 460304.12
3780984.84 0.00031 (13120724)
459854.12 3781034.84 0.00051 (16051824) 459904.12
3781034.84 0.00039 (13120724)
459954.12 3781034.84 0.00038 (13120724) 460004.12
3781034.84 0.00038 (13120724)
460054.12 3781034.84 0.00039 (13120724) 460104.12
3781034.84 0.00038 (13120724)
460204.12 3781034.84 0.00034 (13120724) 460254.12
3781034.84 0.00032 (13120724)
460304.12 3781034.84 0.00029 (13120724) 459854.12
3781084.84 0.00050 (16051824)
459904.12 3781084.84 0.00038 (16051824) 459954.12
3781084.84 0.00036 (13120724)
460004.12 3781084.84 0.00037 (13120724) 460054.12
3781084.84 0.00037 (13120724)
460104.12 3781084.84 0.00037 (13120724) 460204.12
3781084.84 0.00033 (13120724)
460254.12 3781084.84 0.00031 (13120724) 460304.12
3781084.84 0.00028 (13120724)
459854.12 3781134.84 0.00049 (16051824) 459904.12
3781134.84 0.00037 (16051824)
459954.12 3781134.84 0.00035 (13120724) 460004.12
3781134.84 0.00036 (13120724)
460054.12 3781134.84 0.00036 (13120724) 460104.12
3781134.84 0.00036 (13120724)
460204.12 3781134.84 0.00032 (13120724) 460254.12
3781134.84 0.00030 (13120724)
460304.12 3781134.84 0.00028 (13120724) 459854.12
3781184.84 0.00048 (16051824)

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        459904.12   3781184.84        0.00036  (16051824)                459954.12
3781184.84        0.00034  (13120724)
        460004.12   3781184.84        0.00035  (13120724)                460054.12
3781184.84        0.00035  (13120724)
        460104.12   3781184.84        0.00035  (13120724)                460204.12
3781184.84        0.00032  (13120724)
        460254.12   3781184.84        0.00029  (13120724)                460304.12
3781184.84        0.00027  (13120724)
        459854.12   3781234.84        0.00047  (16051824)                459904.12
3781234.84        0.00036  (16051824)
        459954.12   3781234.84        0.00033  (13120724)                460004.12
3781234.84        0.00033  (13120724)
        460054.12   3781234.84        0.00034  (13120724)                460104.12
3781234.84        0.00034  (13120724)
        460204.12   3781234.84        0.00031  (13120724)                460254.12
3781234.84        0.00029  (13120724)
        460304.12   3781234.84        0.00026  (13120724)                459854.12
3781284.84        0.00046  (16051824)
        459904.12   3781284.84        0.00035  (16051824)                459954.12
3781284.84        0.00032  (13120724)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0004172    , L0004173
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - -
        460004.12   3781284.84        0.00032  (13120724)                460054.12
3781284.84        0.00033  (13120724)
        460104.12   3781284.84        0.00033  (13120724)                460204.12
3781284.84        0.00030  (13120724)
        460254.12   3781284.84        0.00028  (13120724)                460304.12
3781284.84        0.00026  (13120724)
        459854.12   3781334.84        0.00046  (16051824)                459904.12
3781334.84        0.00034  (16051824)
        459954.12   3781334.84        0.00031  (13120724)                460004.12
3781334.84        0.00031  (13120724)
        460054.12   3781334.84        0.00032  (13120724)                460104.12
3781334.84        0.00032  (13120724)
        460204.12   3781334.84        0.00029  (13120724)                460254.12
3781334.84        0.00027  (13120724)
        460304.12   3781334.84        0.00025  (13120724)                460204.12
3781384.84        0.00029  (13120724)
        460254.12   3781384.84        0.00027  (13120724)                460304.12
3781384.84        0.00025  (13120724)
        460204.12   3781434.84        0.00028  (13120724)                460254.12
3781434.84        0.00027  (13120724)
        460304.12   3781434.84        0.00024  (13120724)                460204.12
3781484.84        0.00028  (13120724)
        460254.12   3781484.84        0.00026  (13120724)                460304.12
3781484.84        0.00024  (13120724)
        460204.12   3781534.84        0.00027  (13120724)                460254.12
3781534.84        0.00026  (13120724)
        460304.12   3781534.84        0.00023  (13120724)                460204.12
3781584.84        0.00027  (13120724)
        460254.12   3781584.84        0.00025  (13120724)                460304.12
3781584.84        0.00023  (13120724)
        460204.12   3781634.84        0.00026  (13120724)                460254.12
3781634.84        0.00025  (13120724)
        460304.12   3781634.84        0.00023  (13120724)                460204.12
3781684.84        0.00026  (13120724)
        460254.12   3781684.84        0.00024  (13120724)                460304.12
3781684.84        0.00023  (13120724)
        460204.12   3781734.84        0.00025  (13120724)                460254.12
3781734.84        0.00024  (13120724)
        460349.55   3779783.46        0.00069  (12120224)                460399.55
3779783.46        0.00063  (12120224)
        460449.55   3779783.46        0.00058  (12120224)                460499.55
3779783.46        0.00054  (12120224)
        460349.55   3779833.46        0.00070  (12120224)                460399.55
3779833.46        0.00063  (12120224)
        460449.55   3779833.46        0.00058  (12120224)                460499.55
3779833.46        0.00054  (12120224)
        460349.55   3779883.46        0.00070  (12120224)                460399.55
```

3779883.46 0.00063 (12120224)
460449.55 3779883.46 0.00058 (12120224) 460499.55
3779883.46 0.00054 (12120224)
460349.55 3779933.46 0.00070 (12120224) 460399.55
3779933.46 0.00063 (12120224)
460449.55 3779933.46 0.00058 (12120224) 460499.55
3779933.46 0.00054 (12120224)
460349.55 3779983.46 0.00071 (12120224) 460399.55
3779983.46 0.00064 (12120224)
460449.55 3779983.46 0.00058 (12120224) 460499.55
3779983.46 0.00053 (12120224)
460349.55 3780033.46 0.00082 (12120224) 460399.55
3780033.46 0.00071 (12120224)
460449.55 3780033.46 0.00065 (12120224) 460499.55
3780033.46 0.00058 (12120224)
460349.55 3780083.46 0.00090 (12120224) 460399.55
3780083.46 0.00079 (12120224)
460449.55 3780083.46 0.00068 (12120224) 460499.55
3780083.46 0.00061 (12120224)
460349.55 3780133.46 0.00088 (12120224) 460399.55
3780133.46 0.00080 (12120224)
460449.55 3780133.46 0.00072 (12120224) 460499.55
3780133.46 0.00065 (12120224)
460349.55 3780183.46 0.00086 (12120224) 460399.55
3780183.46 0.00081 (12120224)
460449.55 3780183.46 0.00074 (12120224) 460499.55
3780183.46 0.00068 (12120224)
460349.55 3780233.46 0.00078 (12120224) 460399.55
3780233.46 0.00076 (12120224)
460449.55 3780233.46 0.00072 (12120224) 460499.55
3780233.46 0.00067 (12120224)
460349.55 3780283.46 0.00071 (12120224) 460399.55
3780283.46 0.00071 (12120224)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 78
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189

, L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197
, L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
460449.55	3780283.46	0.00069	(12120224)	460499.55	3780283.46	0.00067	(12120224)
460349.55	3780333.46	0.00063	(12120224)	460399.55	3780333.46	0.00065	(12120224)
460449.55	3780333.46	0.00065	(12120224)	460499.55	3780333.46	0.00064	(12120224)
460349.55	3780383.46	0.00055	(12120224)	460399.55	3780383.46	0.00058	(12120224)
460449.55	3780383.46	0.00059	(12120224)	460499.55	3780383.46	0.00059	(12120224)
460349.55	3780433.46	0.00048	(12120224)	460399.55	3780433.46	0.00051	(12120224)
460449.55	3780433.46	0.00053	(12120224)	460499.55	3780433.46	0.00055	(12120224)
460349.55	3780483.46	0.00042	(12120224)	460399.55	3780483.46	0.00045	(12120224)
460449.55	3780483.46	0.00047	(12120224)	460499.55	3780483.46	0.00049	(12120224)
459759.10	3781514.42	0.00050	(16121124)	459711.33	3781514.42	0.00030	(16051824)
459726.24	3781543.22	0.00033	(16051824)	459271.04	3777660.44	0.00040m	(15010924)
459321.04	3777660.44	0.00045m	(15010924)	459371.04	3777660.44	0.00050m	(15010924)
459271.04	3777710.44	0.00041m	(15010924)	459321.04	3777710.44	0.00046m	(15010924)
459371.04	3777710.44	0.00051m	(15010924)	459421.04	3777710.44	0.00059m	(15010924)
459471.04	3777710.44	0.00068m	(15010924)	459521.04	3777710.44	0.00080m	(15010924)
459271.04	3777760.44	0.00043m	(15010924)	459321.04	3777760.44	0.00047m	(15010924)
459371.04	3777760.44	0.00053m	(15010924)	459421.04	3777760.44	0.00060m	(15010924)

459471.04 3777760.44 0.00070m (15010924) 459521.04
3777760.44 0.00081m (15010924)
459571.04 3777760.44 0.00099m (15010924) 459621.04
3777760.44 0.00126m (15010924)
459671.04 3777760.44 0.00170m (15010924) 459721.04
3777760.44 0.00266m (15010924)
459771.04 3777760.44 0.00666 (16121124) 459271.04
3777810.44 0.00044m (15010924)
459321.04 3777810.44 0.00049m (15010924) 459371.04
3777810.44 0.00054m (15010924)
459421.04 3777810.44 0.00061m (15010924) 459471.04
3777810.44 0.00071m (15010924)
459521.04 3777810.44 0.00083m (15010924) 459571.04
3777810.44 0.00101m (15010924)
459621.04 3777810.44 0.00128m (15010924) 459671.04
3777810.44 0.00172m (15010924)
459721.04 3777810.44 0.00268m (15010924) 459771.04
3777810.44 0.00663 (16121124)
459271.04 3777860.44 0.00044m (15010924) 459321.04
3777860.44 0.00049m (15010924)
459371.04 3777860.44 0.00055m (15010924) 459421.04
3777860.44 0.00063m (15010924)
459471.04 3777860.44 0.00071m (15010924) 459521.04
3777860.44 0.00084m (15010924)
459571.04 3777860.44 0.00101m (15010924) 459621.04
3777860.44 0.00128m (15010924)
459671.04 3777860.44 0.00173m (15010924) 459721.04
3777860.44 0.00268m (15010924)
459771.04 3777860.44 0.00659 (16121124) 459271.04
3777910.44 0.00043m (15010924)
459321.04 3777910.44 0.00049m (15010924) 459371.04
3777910.44 0.00056m (15010924)
459421.04 3777910.44 0.00064m (15010924) 459471.04
3777910.44 0.00072m (15010924)
459521.04 3777910.44 0.00084m (15010924) 459571.04
3777910.44 0.00102m (15010924)
459621.04 3777910.44 0.00128m (15010924) 459671.04
3777910.44 0.00173m (15010924)
459721.04 3777910.44 0.00268m (15010924) 459771.04
3777910.44 0.00655 (16121124)
459271.04 3777960.44 0.00044m (15010924) 459321.04
3777960.44 0.00049m (15010924)
459371.04 3777960.44 0.00057m (15010924) 459421.04
3777960.44 0.00064m (15010924)
459471.04 3777960.44 0.00073m (15010924) 459521.04
3777960.44 0.00085m (15010924)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459571.04	3777960.44	0.00102m	(15010924)	459621.04	3777960.44	0.00129m	(15010924)
459671.04	3777960.44	0.00174m	(15010924)	459721.04	3777960.44	0.00268m	(15010924)
459771.04	3777960.44	0.00650	(16121124)	459271.04	3778010.44	0.00045m	(15010924)
459321.04	3778010.44	0.00051m	(15010924)	459371.04	3778010.44	0.00057m	(15010924)
459421.04	3778010.44	0.00063m	(15010924)	459471.04	3778010.44	0.00073m	(15010924)
459521.04	3778010.44	0.00085m	(15010924)	459571.04	3778010.44	0.00102m	(15010924)
459621.04	3778010.44	0.00129m	(15010924)	459671.04	3778010.44	0.00174m	(15010924)
459721.04	3778010.44	0.00267m	(15010924)	459771.04	3778010.44	0.00646	(16121124)
459271.04	3778060.44	0.00045b	(12121224)	459321.04	3778060.44	0.00051m	(15010924)
459371.04	3778060.44	0.00056m	(15010924)	459421.04	3778060.44	0.00064m	(15010924)
459471.04	3778060.44	0.00073m	(15010924)	459521.04			

3778060.44 0.00086m (15010924)
459571.04 3778060.44 0.00103m (15010924) 459621.04
3778060.44 0.00130m (15010924)
459671.04 3778060.44 0.00174m (15010924) 459721.04
3778060.44 0.00267m (15010924)
459771.04 3778060.44 0.00642 (16121124) 459271.04
3778110.44 0.00046b (12121224)
459321.04 3778110.44 0.00051b (12121224) 459371.04
3778110.44 0.00057m (15010924)
459421.04 3778110.44 0.00064m (15010924) 459471.04
3778110.44 0.00073m (15010924)
459521.04 3778110.44 0.00086m (15010924) 459571.04
3778110.44 0.00103m (15010924)
459621.04 3778110.44 0.00130m (15010924) 459671.04
3778110.44 0.00175m (15010924)
459721.04 3778110.44 0.00268m (15010924) 459771.04
3778110.44 0.00637 (16121124)
459271.04 3778160.44 0.00047b (12121224) 459321.04
3778160.44 0.00052b (12121224)
459371.04 3778160.44 0.00059m (15010924) 459421.04
3778160.44 0.00064m (15010924)
459471.04 3778160.44 0.00074m (15010924) 459521.04
3778160.44 0.00086m (15010924)
459571.04 3778160.44 0.00103m (15010924) 459621.04
3778160.44 0.00131m (15010924)
459671.04 3778160.44 0.00175m (15010924) 459721.04
3778160.44 0.00267m (15010924)
459771.04 3778160.44 0.00633 (16121124) 459271.04
3778210.44 0.00047b (12121224)
459321.04 3778210.44 0.00052b (12121224) 459371.04
3778210.44 0.00059m (15010924)
459421.04 3778210.44 0.00065m (15010924) 459471.04
3778210.44 0.00074b (12121224)
459521.04 3778210.44 0.00087m (15010924) 459571.04
3778210.44 0.00104m (15010924)
459621.04 3778210.44 0.00131m (15010924) 459671.04
3778210.44 0.00175m (15010924)
459721.04 3778210.44 0.00267m (15010924) 459771.04
3778210.44 0.00628 (16121124)
459271.04 3778260.44 0.00048b (12121224) 459321.04
3778260.44 0.00053b (12121224)
459371.04 3778260.44 0.00059m (15010924) 459421.04
3778260.44 0.00065m (15010924)
459471.04 3778260.44 0.00074b (12121224) 459521.04
3778260.44 0.00087m (15010924)
459571.04 3778260.44 0.00104m (15010924) 459621.04
3778260.44 0.00131m (15010924)
459671.04 3778260.44 0.00175m (15010924) 459721.04

3778260.44 0.00267m (15010924)
459771.04 3778260.44 0.00623 (16121124) 459271.04
3778310.44 0.00048b (12121224)
459321.04 3778310.44 0.00053b (12121224) 459371.04
3778310.44 0.00058b (12121224)
459421.04 3778310.44 0.00065m (15010924) 459471.04
3778310.44 0.00075m (15010924)
459521.04 3778310.44 0.00087m (15010924) 459571.04
3778310.44 0.00105m (15010924)
459621.04 3778310.44 0.00131m (15010924) 459671.04
3778310.44 0.00174m (15010924)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

459571.04 3778360.44 0.00105m (15010924) 459621.04
3778360.44 0.00131m (15010924)
459671.04 3778360.44 0.00174m (15010924) 459721.04
3778360.44 0.00264m (15010924)
459771.04 3778360.44 0.00614 (16121124) 459271.04
3778410.44 0.00049b (12121224)
459321.04 3778410.44 0.00054b (12121224) 459371.04
3778410.44 0.00059b (12121224)
459421.04 3778410.44 0.00066m (15010924) 459471.04
3778410.44 0.00077m (15010924)
459521.04 3778410.44 0.00089m (15010924) 459571.04
3778410.44 0.00105m (15010924)
459621.04 3778410.44 0.00130m (15010924) 459671.04
3778410.44 0.00173m (15010924)
459721.04 3778410.44 0.00263m (15010924) 459771.04
3778410.44 0.00610 (16121124)
459271.04 3778460.44 0.00049b (12121224) 459321.04
3778460.44 0.00054b (12121224)
459371.04 3778460.44 0.00061b (12121224) 459421.04
3778460.44 0.00068b (12121224)
459471.04 3778460.44 0.00076b (12121224) 459521.04
3778460.44 0.00089m (15010924)
459571.04 3778460.44 0.00106m (15010924) 459621.04
3778460.44 0.00129m (15010924)
459671.04 3778460.44 0.00173m (15010924) 459721.04
3778460.44 0.00261m (15010924)
459771.04 3778460.44 0.00604 (16121124) 459271.04
3778510.44 0.00050b (12121224)
459321.04 3778510.44 0.00055b (12121224) 459371.04
3778510.44 0.00061b (12121224)
459421.04 3778510.44 0.00069b (12121224) 459471.04
3778510.44 0.00078b (12121224)
459521.04 3778510.44 0.00091b (12121224) 459571.04
3778510.44 0.00105m (15010924)
459621.04 3778510.44 0.00129m (15010924) 459671.04
3778510.44 0.00172m (15010924)
459721.04 3778510.44 0.00262m (15010924) 459771.04
3778510.44 0.00601 (16121124)
459271.04 3778560.44 0.00050b (12121224) 459321.04
3778560.44 0.00055b (12121224)
459371.04 3778560.44 0.00061b (12121224) 459421.04
3778560.44 0.00068b (12121224)
459471.04 3778560.44 0.00078b (12121224) 459521.04
3778560.44 0.00090b (12121224)
459571.04 3778560.44 0.00107b (12121224) 459621.04
3778560.44 0.00130b (12121224)
459671.04 3778560.44 0.00171m (15010924) 459721.04
3778560.44 0.00261m (15010924)

```
        459771.04   3778560.44        0.00596  (16121124)                459271.04
3778610.44        0.00049b (12121224)
        459321.04   3778610.44        0.00055b (12121224)                459371.04
3778610.44        0.00061b (12121224)
        459421.04   3778610.44        0.00068b (12121224)                459471.04
3778610.44        0.00077b (12121224)
        459521.04   3778610.44        0.00089b (12121224)                459571.04
3778610.44        0.00107b (12121224)
        459621.04   3778610.44        0.00129b (12121224)                459671.04
3778610.44        0.00171m (15010924)
        459721.04   3778610.44        0.00261m (15010924)                459771.04
3778610.44        0.00592  (16121124)
        459271.04   3778660.44        0.00051b (12121224)                459321.04
3778660.44        0.00056b (12121224)
        459371.04   3778660.44        0.00062b (12121224)                459421.04
3778660.44        0.00070b (12121224)
        459471.04   3778660.44        0.00080b (12121224)                459521.04
3778660.44        0.00091b (12121224)
        459571.04   3778660.44        0.00107b (12121224)                459621.04
3778660.44        0.00129b (12121224)
        459671.04   3778660.44        0.00172m (15010924)                459721.04
3778660.44        0.00260m (15010924)
        459771.04   3778660.44        0.00587  (16121124)                459271.04
3778710.44        0.00051b (12121224)
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                            *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0004172    , L0004173
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        459321.04   3778710.44        0.00056b (12121224)                459371.04
3778710.44        0.00063b (12121224)
        459421.04   3778710.44        0.00070b (12121224)                459471.04
3778710.44        0.00080b (12121224)
        459521.04   3778710.44        0.00092b (12121224)                459571.04
3778710.44        0.00107b (12121224)
        459621.04   3778710.44        0.00130b (12121224)                459671.04
3778710.44        0.00172m (15010924)
        459721.04   3778710.44        0.00259m (15010924)                459771.04
3778710.44        0.00583  (16121124)
        459271.04   3778760.44        0.00051b (12121224)                459321.04
3778760.44        0.00056b (12121224)
        459371.04   3778760.44        0.00063b (12121224)                459421.04
3778760.44        0.00071b (12121224)
        459471.04   3778760.44        0.00080b (12121224)                459521.04
3778760.44        0.00093b (12121224)
        459571.04   3778760.44        0.00108b (12121224)                459621.04
3778760.44        0.00129b (12121224)
        459671.04   3778760.44        0.00171m (15010924)                459721.04
3778760.44        0.00258m (15010924)
        459771.04   3778760.44        0.00580  (16121124)                459271.04
3778810.44        0.00051b (12121224)
        459321.04   3778810.44        0.00056b (12121224)                459371.04
3778810.44        0.00063b (12121224)
        459421.04   3778810.44        0.00071b (12121224)                459471.04
3778810.44        0.00081b (12121224)
        459521.04   3778810.44        0.00093b (12121224)                459571.04
3778810.44        0.00108b (12121224)
        459621.04   3778810.44        0.00129b (12121224)                459671.04
3778810.44        0.00171m (15010924)
        459721.04   3778810.44        0.00258m (15010924)                459771.04
3778810.44        0.00575  (16121124)
        459271.04   3778860.44        0.00051b (12121224)                459321.04
3778860.44        0.00056b (12121224)
        459371.04   3778860.44        0.00063b (12121224)                459421.04
3778860.44        0.00071b (12121224)
        459471.04   3778860.44        0.00081b (12121224)                459521.04
3778860.44        0.00093b (12121224)
        459571.04   3778860.44        0.00107b (12121224)                459621.04
3778860.44        0.00129b (12121224)
        459671.04   3778860.44        0.00171m (15010924)                459721.04
3778860.44        0.00258m (15010924)
        459771.04   3778860.44        0.00571  (16121124)                459271.04
```

3778910.44 0.00051b (12121224)
459321.04 3778910.44 0.00057b (12121224) 459371.04
3778910.44 0.00063b (12121224)
459421.04 3778910.44 0.00071 (12120324) 459471.04
3778910.44 0.00081 (12120324)
459521.04 3778910.44 0.00092 (12120324) 459571.04
3778910.44 0.00107b (12121224)
459621.04 3778910.44 0.00129b (12121224) 459671.04
3778910.44 0.00171m (15010924)
459721.04 3778910.44 0.00257m (15010924) 459771.04
3778910.44 0.00568 (16121124)
459271.04 3778960.44 0.00052b (12121224) 459321.04
3778960.44 0.00057b (12121224)
459371.04 3778960.44 0.00063b (12121224) 459421.04
3778960.44 0.00072 (12120324)
459471.04 3778960.44 0.00081 (12120324) 459521.04
3778960.44 0.00093b (12121224)
459571.04 3778960.44 0.00108b (12121224) 459621.04
3778960.44 0.00129b (12121224)
459671.04 3778960.44 0.00170m (15010924) 459721.04
3778960.44 0.00256m (15010924)
459771.04 3778960.44 0.00567 (16121124) 459271.04
3779010.44 0.00052b (12121224)
459321.04 3779010.44 0.00057b (12121224) 459371.04
3779010.44 0.00064b (12121224)
459421.04 3779010.44 0.00072 (12120324) 459471.04
3779010.44 0.00082 (12120324)
459521.04 3779010.44 0.00094b (12121224) 459571.04
3779010.44 0.00108b (12121224)
459621.04 3779010.44 0.00130b (12121224) 459671.04
3779010.44 0.00170m (15010924)
459721.04 3779010.44 0.00256m (15010924) 459771.04
3779010.44 0.00567 (16121124)
459271.04 3779060.44 0.00052b (12121224) 459321.04
3779060.44 0.00057b (12121224)
459371.04 3779060.44 0.00064b (12121224) 459421.04
3779060.44 0.00072 (12120324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173

```
, L0004174    , L0004175    , L0004176    ,
                L0004177    , L0004178    , L0004179    , L0004180    , L0004181
, L0004182    , L0004183    , L0004184    ,
                L0004185    , L0004186    , L0004187    , L0004188    , L0004189
, L0004190    , L0004191    , L0004192    ,
                L0004193    , L0004194    , L0004195    , L0004196    , L0004197
, L0004198    , L0004199    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        459471.04   3779060.44        0.00082b (12121224)                459521.04
3779060.44        0.00094b (12121224)
        459571.04   3779060.44        0.00109b (12121224)                459621.04
3779060.44        0.00130b (12121224)
        459671.04   3779060.44        0.00170m (15010924)                459721.04
3779060.44        0.00256m (15010924)
        459771.04   3779060.44        0.00568  (16121124)                459271.04
3779110.44        0.00052b (12121224)
        459321.04   3779110.44        0.00057b (12121224)                459371.04
3779110.44        0.00064  (12120324)
        459421.04   3779110.44        0.00072  (12120324)                459471.04
3779110.44        0.00082b (12121224)
        459521.04   3779110.44        0.00094b (12121224)                459571.04
3779110.44        0.00109b (12121224)
        459621.04   3779110.44        0.00130b (12121224)                459671.04
3779110.44        0.00170m (15010924)
        459721.04   3779110.44        0.00256m (15010924)                459771.04
3779110.44        0.00569  (16121124)
        459271.04   3779160.44        0.00052b (12121224)                459321.04
3779160.44        0.00058b (12121224)
        459371.04   3779160.44        0.00064b (12121224)                459421.04
3779160.44        0.00073  (12120324)
        459471.04   3779160.44        0.00082b (12121224)                459521.04
3779160.44        0.00094b (12121224)
        459571.04   3779160.44        0.00110b (12121224)                459621.04
3779160.44        0.00130b (12121224)
        459671.04   3779160.44        0.00170m (15010924)                459721.04
3779160.44        0.00257m (15010924)
        459771.04   3779160.44        0.00569  (16121124)                459271.04
3779210.44        0.00052b (12121224)
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        459321.04   3779210.44        0.00058b (12121224)                459371.04
3779210.44        0.00065b (12121224)
        459421.04   3779210.44        0.00073  (12120324)                459471.04
3779210.44        0.00082b (12121224)
        459521.04   3779210.44        0.00095b (12121224)                459571.04
3779210.44        0.00110b (12121224)
        459621.04   3779210.44        0.00130b (12121224)                459671.04
3779210.44        0.00170m (15010924)
        459721.04   3779210.44        0.00257m (15010924)                459771.04
3779210.44        0.00570  (16121124)
        459271.04   3779260.44        0.00052b (12121224)                459321.04
3779260.44        0.00058b (12121224)
        459371.04   3779260.44        0.00065b (12121224)                459421.04
3779260.44        0.00073b (12121224)
        459471.04   3779260.44        0.00082b (12121224)                459521.04
3779260.44        0.00095b (12121224)
        459571.04   3779260.44        0.00110b (12121224)                459621.04
3779260.44        0.00130b (12121224)
        459671.04   3779260.44        0.00170m (15010924)                459721.04
3779260.44        0.00257m (15010924)
        459771.04   3779260.44        0.00571  (16121124)                459271.04
3779310.44        0.00052b (12121224)
        459321.04   3779310.44        0.00058b (12121224)                459371.04
3779310.44        0.00065b (12121224)
        459421.04   3779310.44        0.00073b (12121224)                459471.04
3779310.44        0.00082b (12121224)
        459521.04   3779310.44        0.00095b (12121224)                459571.04
3779310.44        0.00110b (12121224)
        459621.04   3779310.44        0.00131b (12121224)                459671.04
3779310.44        0.00170m (15010924)
        459721.04   3779310.44        0.00258m (15010924)                459771.04
3779310.44        0.00572  (16121124)
        459271.04   3779360.44        0.00052b (12121224)                459321.04
3779360.44        0.00058b (12121224)
        459371.04   3779360.44        0.00064b (12121224)                459421.04
3779360.44        0.00073b (12121224)
        459471.04   3779360.44        0.00082b (12121224)                459521.04
3779360.44        0.00095b (12121224)
        459571.04   3779360.44        0.00110b (12121224)                459621.04
3779360.44        0.00131b (12121224)
        459671.04   3779360.44        0.00170m (15010924)                459721.04
3779360.44        0.00258m (15010924)
        459771.04   3779360.44        0.00573  (16121124)                459271.04
3779410.44        0.00052b (12121224)
        459321.04   3779410.44        0.00057b (12121224)                459371.04
3779410.44        0.00064b (12121224)
        459421.04   3779410.44        0.00072b (12121224)                459471.04
3779410.44        0.00083b (12121224)
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459521.04 3779410.44 0.00095b (12121224) 459571.04 3779410.44 0.00110b (12121224)
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 05/27/20
*** AERMET - VERSION 16216 *** ***
*** 10:59:05

PAGE 83
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004172 , L0004173 , L0004174 , L0004175 , L0004176 ,
L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 , L0004183 , L0004184 ,
L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 , L0004191 , L0004192 ,
L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 , L0004199 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

3779510.44 0.00064b (12121224)
459421.04 3779510.44 0.00072b (12121224) 459471.04
3779510.44 0.00082b (12121224)
459521.04 3779510.44 0.00094b (12121224) 459571.04
3779510.44 0.00110b (12121224)
459621.04 3779510.44 0.00132b (12121224) 459671.04
3779510.44 0.00171m (15010924)
459721.04 3779510.44 0.00261m (15010924) 459771.04
3779510.44 0.00582 (16121124)
459271.04 3779560.44 0.00051b (12121224) 459321.04
3779560.44 0.00056b (12121224)
459371.04 3779560.44 0.00063b (12121224) 459421.04
3779560.44 0.00071b (12121224)
459471.04 3779560.44 0.00082b (12121224) 459521.04
3779560.44 0.00094b (12121224)
459571.04 3779560.44 0.00110b (12121224) 459621.04
3779560.44 0.00133b (12121224)
459671.04 3779560.44 0.00171m (15010924) 459721.04
3779560.44 0.00263m (15010924)
459771.04 3779560.44 0.00587 (16121124) 459271.04
3779610.44 0.00050b (12121224)
459321.04 3779610.44 0.00056b (12121224) 459371.04
3779610.44 0.00063b (12121224)
459421.04 3779610.44 0.00071b (12121224) 459471.04
3779610.44 0.00081b (12121224)
459521.04 3779610.44 0.00093b (12121224) 459571.04
3779610.44 0.00109b (12121224)
459621.04 3779610.44 0.00132b (12121224) 459671.04
3779610.44 0.00171m (15010924)
459721.04 3779610.44 0.00266m (15010924) 459771.04
3779610.44 0.00596 (16121124)
459271.04 3779660.44 0.00049b (12121224) 459321.04
3779660.44 0.00055b (12121224)
459371.04 3779660.44 0.00062b (12121224) 459421.04
3779660.44 0.00070b (12121224)
459471.04 3779660.44 0.00079b (12121224) 459521.04
3779660.44 0.00091b (12121224)
459571.04 3779660.44 0.00108b (12121224) 459621.04
3779660.44 0.00131b (12121224)
459671.04 3779660.44 0.00168b (12121224) 459721.04
3779660.44 0.00266m (15010924)
459771.04 3779660.44 0.00610 (16121124) 459271.04
3779710.44 0.00049b (12121224)
459321.04 3779710.44 0.00054b (12121224) 459371.04
3779710.44 0.00060b (12121224)
459421.04 3779710.44 0.00068b (12121224) 459471.04
3779710.44 0.00077b (12121224)
459521.04 3779710.44 0.00089b (12121224) 459571.04

```
3779710.44        0.00105b (12121224)
        459621.04   3779710.44        0.00127b (12121224)                459671.04
3779710.44        0.00164b (12121224)
        459721.04   3779710.44        0.00257m (15010924)                459771.04
3779710.44        0.00621  (16121124)
```



```
                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   5 YEARS ***


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


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

ALL       1ST HIGHEST VALUE IS       0.00379 AT (  459771.04,  3777760.44,   478.41,
  478.41,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00376 AT (  459771.04,  3777810.44,   479.63,
  479.63,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00375 AT (  459771.04,  3777860.44,   481.30,
  481.30,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00372 AT (  459771.04,  3777910.44,   482.30,
  482.30,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00369 AT (  459771.04,  3777960.44,   483.54,
  483.54,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00367 AT (  459771.04,  3778010.44,   485.30,
  485.30,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00365 AT (  459771.04,  3778060.44,   486.50,
  486.50,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00363 AT (  459771.04,  3778110.44,   487.36,
  487.36,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00361 AT (  459771.04,  3778160.44,   488.84,
  488.84,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00359 AT (  459771.04,  3778210.44,   489.84,
  489.84,    0.00)  DC
```

```
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

ALL      HIGH   1ST HIGH VALUE IS       0.01435  ON 11092608: AT (  459771.04,
3779710.44,   530.64,   530.64,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

ALL      HIGH   1ST HIGH VALUE IS       0.00666  ON 16121124: AT (  459771.04,
3777760.44,   478.41,   478.41,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        05/27/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:59:05

                                  PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    2463       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    2463       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

```
 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
 12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
 15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

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

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 3/19/2020
** File: C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande_Const_Tier 4\Fontana_Sierra
Casa Grande.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa
   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Fontana_Sierra Casa Grande.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 = SLINE2
** DESCRSRC Sierra Avenue - SR-210 to Casa Grande
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 0.000011219
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 459791.705, 3777552.074, 473.30, 3.70, 2.33
```

```
** 459798.663, 3778918.242, 508.32, 3.70, 2.33
** 459798.334, 3779742.591, 531.33, 3.70, 2.33
** ------------------------------------------------------------------
   LOCATION L0008261     VOLUME   459791.717 3777554.574 473.25
   LOCATION L0008262     VOLUME   459791.743 3777559.574 473.37
   LOCATION L0008263     VOLUME   459791.768 3777564.574 473.50
   LOCATION L0008264     VOLUME   459791.794 3777569.574 473.62
   LOCATION L0008265     VOLUME   459791.819 3777574.573 473.75
   LOCATION L0008266     VOLUME   459791.845 3777579.573 473.87
   LOCATION L0008267     VOLUME   459791.870 3777584.573 473.99
   LOCATION L0008268     VOLUME   459791.896 3777589.573 474.12
   LOCATION L0008269     VOLUME   459791.921 3777594.573 474.24
   LOCATION L0008270     VOLUME   459791.947 3777599.573 474.37
   LOCATION L0008271     VOLUME   459791.972 3777604.573 474.49
   LOCATION L0008272     VOLUME   459791.997 3777609.573 474.62
   LOCATION L0008273     VOLUME   459792.023 3777614.573 474.74
   LOCATION L0008274     VOLUME   459792.048 3777619.573 474.87
   LOCATION L0008275     VOLUME   459792.074 3777624.573 474.99
   LOCATION L0008276     VOLUME   459792.099 3777629.573 475.11
   LOCATION L0008277     VOLUME   459792.125 3777634.573 475.23
   LOCATION L0008278     VOLUME   459792.150 3777639.573 475.34
   LOCATION L0008279     VOLUME   459792.176 3777644.573 475.46
   LOCATION L0008280     VOLUME   459792.201 3777649.572 475.57
   LOCATION L0008281     VOLUME   459792.227 3777654.572 475.69
   LOCATION L0008282     VOLUME   459792.252 3777659.572 475.80
   LOCATION L0008283     VOLUME   459792.278 3777664.572 475.92
   LOCATION L0008284     VOLUME   459792.303 3777669.572 476.04
   LOCATION L0008285     VOLUME   459792.329 3777674.572 476.16
   LOCATION L0008286     VOLUME   459792.354 3777679.572 476.28
   LOCATION L0008287     VOLUME   459792.379 3777684.572 476.40
   LOCATION L0008288     VOLUME   459792.405 3777689.572 476.51
   LOCATION L0008289     VOLUME   459792.430 3777694.572 476.63
   LOCATION L0008290     VOLUME   459792.456 3777699.572 476.75
   LOCATION L0008291     VOLUME   459792.481 3777704.572 476.86
   LOCATION L0008292     VOLUME   459792.507 3777709.572 476.98
   LOCATION L0008293     VOLUME   459792.532 3777714.572 477.10
   LOCATION L0008294     VOLUME   459792.558 3777719.572 477.22
   LOCATION L0008295     VOLUME   459792.583 3777724.572 477.34
   LOCATION L0008296     VOLUME   459792.609 3777729.571 477.47
   LOCATION L0008297     VOLUME   459792.634 3777734.571 477.60
   LOCATION L0008298     VOLUME   459792.660 3777739.571 477.73
   LOCATION L0008299     VOLUME   459792.685 3777744.571 477.86
   LOCATION L0008300     VOLUME   459792.711 3777749.571 477.98
   LOCATION L0008301     VOLUME   459792.736 3777754.571 478.11
   LOCATION L0008302     VOLUME   459792.761 3777759.571 478.25
   LOCATION L0008303     VOLUME   459792.787 3777764.571 478.38
   LOCATION L0008304     VOLUME   459792.812 3777769.571 478.51
   LOCATION L0008305     VOLUME   459792.838 3777774.571 478.64
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LOCATION	L0008306	VOLUME	459792.863	3777779.571	478.77
LOCATION	L0008307	VOLUME	459792.889	3777784.571	478.90
LOCATION	L0008308	VOLUME	459792.914	3777789.571	479.02
LOCATION	L0008309	VOLUME	459792.940	3777794.571	479.15
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LOCATION	L0008311	VOLUME	459792.991	3777804.570	479.41
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LOCATION	L0008313	VOLUME	459793.042	3777814.570	479.68
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LOCATION	L0008315	VOLUME	459793.093	3777824.570	479.98
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LOCATION	L0008317	VOLUME	459793.143	3777834.570	480.28
LOCATION	L0008318	VOLUME	459793.169	3777839.570	480.43
LOCATION	L0008319	VOLUME	459793.194	3777844.570	480.57
LOCATION	L0008320	VOLUME	459793.220	3777849.570	480.69
LOCATION	L0008321	VOLUME	459793.245	3777854.570	480.81
LOCATION	L0008322	VOLUME	459793.271	3777859.570	480.93
LOCATION	L0008323	VOLUME	459793.296	3777864.570	481.06
LOCATION	L0008324	VOLUME	459793.322	3777869.570	481.18
LOCATION	L0008325	VOLUME	459793.347	3777874.570	481.30
LOCATION	L0008326	VOLUME	459793.373	3777879.569	481.43
LOCATION	L0008327	VOLUME	459793.398	3777884.569	481.55
LOCATION	L0008328	VOLUME	459793.424	3777889.569	481.68
LOCATION	L0008329	VOLUME	459793.449	3777894.569	481.80
LOCATION	L0008330	VOLUME	459793.475	3777899.569	481.93
LOCATION	L0008331	VOLUME	459793.500	3777904.569	482.05
LOCATION	L0008332	VOLUME	459793.525	3777909.569	482.16
LOCATION	L0008333	VOLUME	459793.551	3777914.569	482.28
LOCATION	L0008334	VOLUME	459793.576	3777919.569	482.39
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LOCATION	L0008343	VOLUME	459793.806	3777964.568	483.55
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LOCATION	L0008345	VOLUME	459793.857	3777974.568	483.87
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LOCATION	L0008351	VOLUME	459794.009	3778004.568	484.77
LOCATION	L0008352	VOLUME	459794.035	3778009.568	484.90
LOCATION	L0008353	VOLUME	459794.060	3778014.568	485.02

LOCATION	L0008354	VOLUME	459794.086	3778019.568	485.15
LOCATION	L0008355	VOLUME	459794.111	3778024.568	485.28
LOCATION	L0008356	VOLUME	459794.137	3778029.568	485.42
LOCATION	L0008357	VOLUME	459794.162	3778034.567	485.56
LOCATION	L0008358	VOLUME	459794.188	3778039.567	485.70
LOCATION	L0008359	VOLUME	459794.213	3778044.567	485.85
LOCATION	L0008360	VOLUME	459794.239	3778049.567	485.99
LOCATION	L0008361	VOLUME	459794.264	3778054.567	486.13
LOCATION	L0008362	VOLUME	459794.290	3778059.567	486.27
LOCATION	L0008363	VOLUME	459794.315	3778064.567	486.38
LOCATION	L0008364	VOLUME	459794.340	3778069.567	486.50
LOCATION	L0008365	VOLUME	459794.366	3778074.567	486.61
LOCATION	L0008366	VOLUME	459794.391	3778079.567	486.72
LOCATION	L0008367	VOLUME	459794.417	3778084.567	486.84
LOCATION	L0008368	VOLUME	459794.442	3778089.567	486.95
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LOCATION	L0008377	VOLUME	459794.672	3778134.566	487.98
LOCATION	L0008378	VOLUME	459794.697	3778139.566	488.10
LOCATION	L0008379	VOLUME	459794.722	3778144.566	488.23
LOCATION	L0008380	VOLUME	459794.748	3778149.566	488.36
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LOCATION	L0008382	VOLUME	459794.799	3778159.566	488.58
LOCATION	L0008383	VOLUME	459794.824	3778164.566	488.69
LOCATION	L0008384	VOLUME	459794.850	3778169.566	488.80
LOCATION	L0008385	VOLUME	459794.875	3778174.566	488.91
LOCATION	L0008386	VOLUME	459794.901	3778179.566	489.02
LOCATION	L0008387	VOLUME	459794.926	3778184.566	489.12
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LOCATION	L0008389	VOLUME	459794.977	3778194.565	489.33
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LOCATION	L0008394	VOLUME	459795.104	3778219.565	489.85
LOCATION	L0008395	VOLUME	459795.130	3778224.565	489.96
LOCATION	L0008396	VOLUME	459795.155	3778229.565	490.07
LOCATION	L0008397	VOLUME	459795.181	3778234.565	490.18
LOCATION	L0008398	VOLUME	459795.206	3778239.565	490.29
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LOCATION	L0008401	VOLUME	459795.283	3778254.565	490.65

LOCATION	L0008402	VOLUME	459795.308	3778259.565	490.77
LOCATION	L0008403	VOLUME	459795.334	3778264.565	490.89
LOCATION	L0008404	VOLUME	459795.359	3778269.564	491.02
LOCATION	L0008405	VOLUME	459795.385	3778274.564	491.14
LOCATION	L0008406	VOLUME	459795.410	3778279.564	491.26
LOCATION	L0008407	VOLUME	459795.436	3778284.564	491.39
LOCATION	L0008408	VOLUME	459795.461	3778289.564	491.51
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LOCATION	L0008413	VOLUME	459795.588	3778314.564	492.18
LOCATION	L0008414	VOLUME	459795.614	3778319.564	492.32
LOCATION	L0008415	VOLUME	459795.639	3778324.564	492.46
LOCATION	L0008416	VOLUME	459795.665	3778329.564	492.60
LOCATION	L0008417	VOLUME	459795.690	3778334.564	492.74
LOCATION	L0008418	VOLUME	459795.716	3778339.564	492.89
LOCATION	L0008419	VOLUME	459795.741	3778344.563	493.04
LOCATION	L0008420	VOLUME	459795.767	3778349.563	493.19
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LOCATION	L0008423	VOLUME	459795.843	3778364.563	493.64
LOCATION	L0008424	VOLUME	459795.868	3778369.563	493.78
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LOCATION	L0008432	VOLUME	459796.072	3778409.563	494.81
LOCATION	L0008433	VOLUME	459796.098	3778414.563	494.93
LOCATION	L0008434	VOLUME	459796.123	3778419.562	495.05
LOCATION	L0008435	VOLUME	459796.149	3778424.562	495.17
LOCATION	L0008436	VOLUME	459796.174	3778429.562	495.30
LOCATION	L0008437	VOLUME	459796.200	3778434.562	495.44
LOCATION	L0008438	VOLUME	459796.225	3778439.562	495.59
LOCATION	L0008439	VOLUME	459796.250	3778444.562	495.73
LOCATION	L0008440	VOLUME	459796.276	3778449.562	495.87
LOCATION	L0008441	VOLUME	459796.301	3778454.562	496.01
LOCATION	L0008442	VOLUME	459796.327	3778459.562	496.15
LOCATION	L0008443	VOLUME	459796.352	3778464.562	496.27
LOCATION	L0008444	VOLUME	459796.378	3778469.562	496.39
LOCATION	L0008445	VOLUME	459796.403	3778474.562	496.52
LOCATION	L0008446	VOLUME	459796.429	3778479.562	496.64
LOCATION	L0008447	VOLUME	459796.454	3778484.562	496.77
LOCATION	L0008448	VOLUME	459796.480	3778489.562	496.89
LOCATION	L0008449	VOLUME	459796.505	3778494.562	497.04

LOCATION	L0008450	VOLUME	459796.531	3778499.561	497.19
LOCATION	L0008451	VOLUME	459796.556	3778504.561	497.34
LOCATION	L0008452	VOLUME	459796.582	3778509.561	497.48
LOCATION	L0008453	VOLUME	459796.607	3778514.561	497.63
LOCATION	L0008454	VOLUME	459796.632	3778519.561	497.78
LOCATION	L0008455	VOLUME	459796.658	3778524.561	497.93
LOCATION	L0008456	VOLUME	459796.683	3778529.561	498.08
LOCATION	L0008457	VOLUME	459796.709	3778534.561	498.24
LOCATION	L0008458	VOLUME	459796.734	3778539.561	498.39
LOCATION	L0008459	VOLUME	459796.760	3778544.561	498.54
LOCATION	L0008460	VOLUME	459796.785	3778549.561	498.69
LOCATION	L0008461	VOLUME	459796.811	3778554.561	498.83
LOCATION	L0008462	VOLUME	459796.836	3778559.561	498.96
LOCATION	L0008463	VOLUME	459796.862	3778564.561	499.10
LOCATION	L0008464	VOLUME	459796.887	3778569.561	499.23
LOCATION	L0008465	VOLUME	459796.913	3778574.560	499.37
LOCATION	L0008466	VOLUME	459796.938	3778579.560	499.50
LOCATION	L0008467	VOLUME	459796.964	3778584.560	499.65
LOCATION	L0008468	VOLUME	459796.989	3778589.560	499.80
LOCATION	L0008469	VOLUME	459797.015	3778594.560	499.95
LOCATION	L0008470	VOLUME	459797.040	3778599.560	500.10
LOCATION	L0008471	VOLUME	459797.065	3778604.560	500.25
LOCATION	L0008472	VOLUME	459797.091	3778609.560	500.40
LOCATION	L0008473	VOLUME	459797.116	3778614.560	500.54
LOCATION	L0008474	VOLUME	459797.142	3778619.560	500.66
LOCATION	L0008475	VOLUME	459797.167	3778624.560	500.79
LOCATION	L0008476	VOLUME	459797.193	3778629.560	500.91
LOCATION	L0008477	VOLUME	459797.218	3778634.560	501.03
LOCATION	L0008478	VOLUME	459797.244	3778639.560	501.15
LOCATION	L0008479	VOLUME	459797.269	3778644.560	501.27
LOCATION	L0008480	VOLUME	459797.295	3778649.560	501.39
LOCATION	L0008481	VOLUME	459797.320	3778654.559	501.50
LOCATION	L0008482	VOLUME	459797.346	3778659.559	501.62
LOCATION	L0008483	VOLUME	459797.371	3778664.559	501.73
LOCATION	L0008484	VOLUME	459797.397	3778669.559	501.85
LOCATION	L0008485	VOLUME	459797.422	3778674.559	501.97
LOCATION	L0008486	VOLUME	459797.447	3778679.559	502.11
LOCATION	L0008487	VOLUME	459797.473	3778684.559	502.25
LOCATION	L0008488	VOLUME	459797.498	3778689.559	502.38
LOCATION	L0008489	VOLUME	459797.524	3778694.559	502.52
LOCATION	L0008490	VOLUME	459797.549	3778699.559	502.66
LOCATION	L0008491	VOLUME	459797.575	3778704.559	502.80
LOCATION	L0008492	VOLUME	459797.600	3778709.559	502.95
LOCATION	L0008493	VOLUME	459797.626	3778714.559	503.09
LOCATION	L0008494	VOLUME	459797.651	3778719.559	503.24
LOCATION	L0008495	VOLUME	459797.677	3778724.559	503.38
LOCATION	L0008496	VOLUME	459797.702	3778729.558	503.53
LOCATION	L0008497	VOLUME	459797.728	3778734.558	503.68

LOCATION	L0008498	VOLUME	459797.753	3778739.558	503.81
LOCATION	L0008499	VOLUME	459797.779	3778744.558	503.93
LOCATION	L0008500	VOLUME	459797.804	3778749.558	504.06
LOCATION	L0008501	VOLUME	459797.829	3778754.558	504.19
LOCATION	L0008502	VOLUME	459797.855	3778759.558	504.32
LOCATION	L0008503	VOLUME	459797.880	3778764.558	504.44
LOCATION	L0008504	VOLUME	459797.906	3778769.558	504.57
LOCATION	L0008505	VOLUME	459797.931	3778774.558	504.69
LOCATION	L0008506	VOLUME	459797.957	3778779.558	504.81
LOCATION	L0008507	VOLUME	459797.982	3778784.558	504.94
LOCATION	L0008508	VOLUME	459798.008	3778789.558	505.06
LOCATION	L0008509	VOLUME	459798.033	3778794.558	505.18
LOCATION	L0008510	VOLUME	459798.059	3778799.558	505.31
LOCATION	L0008511	VOLUME	459798.084	3778804.557	505.44
LOCATION	L0008512	VOLUME	459798.110	3778809.557	505.57
LOCATION	L0008513	VOLUME	459798.135	3778814.557	505.71
LOCATION	L0008514	VOLUME	459798.161	3778819.557	505.84
LOCATION	L0008515	VOLUME	459798.186	3778824.557	505.97
LOCATION	L0008516	VOLUME	459798.211	3778829.557	506.11
LOCATION	L0008517	VOLUME	459798.237	3778834.557	506.24
LOCATION	L0008518	VOLUME	459798.262	3778839.557	506.37
LOCATION	L0008519	VOLUME	459798.288	3778844.557	506.51
LOCATION	L0008520	VOLUME	459798.313	3778849.557	506.64
LOCATION	L0008521	VOLUME	459798.339	3778854.557	506.78
LOCATION	L0008522	VOLUME	459798.364	3778859.557	506.91
LOCATION	L0008523	VOLUME	459798.390	3778864.557	507.04
LOCATION	L0008524	VOLUME	459798.415	3778869.557	507.17
LOCATION	L0008525	VOLUME	459798.441	3778874.557	507.31
LOCATION	L0008526	VOLUME	459798.466	3778879.557	507.44
LOCATION	L0008527	VOLUME	459798.492	3778884.556	507.57
LOCATION	L0008528	VOLUME	459798.517	3778889.556	507.70
LOCATION	L0008529	VOLUME	459798.543	3778894.556	507.81
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LOCATION	L0008531	VOLUME	459798.593	3778904.556	508.03
LOCATION	L0008532	VOLUME	459798.619	3778909.556	508.14
LOCATION	L0008533	VOLUME	459798.644	3778914.556	508.25
LOCATION	L0008534	VOLUME	459798.663	3778919.556	508.36
LOCATION	L0008535	VOLUME	459798.661	3778924.556	508.49
LOCATION	L0008536	VOLUME	459798.659	3778929.556	508.63
LOCATION	L0008537	VOLUME	459798.657	3778934.556	508.76
LOCATION	L0008538	VOLUME	459798.655	3778939.556	508.90
LOCATION	L0008539	VOLUME	459798.653	3778944.556	509.03
LOCATION	L0008540	VOLUME	459798.651	3778949.556	509.17
LOCATION	L0008541	VOLUME	459798.649	3778954.556	509.31
LOCATION	L0008542	VOLUME	459798.647	3778959.556	509.45
LOCATION	L0008543	VOLUME	459798.645	3778964.556	509.59
LOCATION	L0008544	VOLUME	459798.643	3778969.556	509.73
LOCATION	L0008545	VOLUME	459798.641	3778974.556	509.87

LOCATION	L0008546	VOLUME	459798.639	3778979.556	510.01
LOCATION	L0008547	VOLUME	459798.637	3778984.556	510.15
LOCATION	L0008548	VOLUME	459798.635	3778989.556	510.29
LOCATION	L0008549	VOLUME	459798.633	3778994.556	510.43
LOCATION	L0008550	VOLUME	459798.631	3778999.556	510.58
LOCATION	L0008551	VOLUME	459798.629	3779004.556	510.72
LOCATION	L0008552	VOLUME	459798.627	3779009.556	510.86
LOCATION	L0008553	VOLUME	459798.625	3779014.556	511.01
LOCATION	L0008554	VOLUME	459798.623	3779019.556	511.15
LOCATION	L0008555	VOLUME	459798.621	3779024.556	511.30
LOCATION	L0008556	VOLUME	459798.619	3779029.556	511.44
LOCATION	L0008557	VOLUME	459798.617	3779034.556	511.58
LOCATION	L0008558	VOLUME	459798.615	3779039.556	511.73
LOCATION	L0008559	VOLUME	459798.613	3779044.556	511.88
LOCATION	L0008560	VOLUME	459798.611	3779049.556	512.03
LOCATION	L0008561	VOLUME	459798.609	3779054.556	512.19
LOCATION	L0008562	VOLUME	459798.607	3779059.556	512.34
LOCATION	L0008563	VOLUME	459798.605	3779064.556	512.49
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LOCATION	L0008565	VOLUME	459798.601	3779074.556	512.80
LOCATION	L0008566	VOLUME	459798.599	3779079.556	512.93
LOCATION	L0008567	VOLUME	459798.597	3779084.556	513.06
LOCATION	L0008568	VOLUME	459798.595	3779089.556	513.18
LOCATION	L0008569	VOLUME	459798.593	3779094.556	513.31
LOCATION	L0008570	VOLUME	459798.591	3779099.556	513.44
LOCATION	L0008571	VOLUME	459798.589	3779104.556	513.57
LOCATION	L0008572	VOLUME	459798.587	3779109.556	513.68
LOCATION	L0008573	VOLUME	459798.585	3779114.556	513.78
LOCATION	L0008574	VOLUME	459798.583	3779119.556	513.89
LOCATION	L0008575	VOLUME	459798.581	3779124.556	514.00
LOCATION	L0008576	VOLUME	459798.579	3779129.556	514.11
LOCATION	L0008577	VOLUME	459798.577	3779134.556	514.22
LOCATION	L0008578	VOLUME	459798.575	3779139.556	514.33
LOCATION	L0008579	VOLUME	459798.573	3779144.556	514.45
LOCATION	L0008580	VOLUME	459798.571	3779149.556	514.57
LOCATION	L0008581	VOLUME	459798.569	3779154.556	514.69
LOCATION	L0008582	VOLUME	459798.567	3779159.556	514.80
LOCATION	L0008583	VOLUME	459798.565	3779164.556	514.92
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LOCATION	L0008585	VOLUME	459798.561	3779174.556	515.17
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LOCATION	L0008587	VOLUME	459798.557	3779184.556	515.42
LOCATION	L0008588	VOLUME	459798.555	3779189.556	515.54
LOCATION	L0008589	VOLUME	459798.553	3779194.556	515.67
LOCATION	L0008590	VOLUME	459798.551	3779199.556	515.80
LOCATION	L0008591	VOLUME	459798.549	3779204.556	515.93
LOCATION	L0008592	VOLUME	459798.547	3779209.556	516.06
LOCATION	L0008593	VOLUME	459798.545	3779214.556	516.19

LOCATION	L0008594	VOLUME	459798.543	3779219.556	516.32
LOCATION	L0008595	VOLUME	459798.541	3779224.556	516.45
LOCATION	L0008596	VOLUME	459798.539	3779229.556	516.57
LOCATION	L0008597	VOLUME	459798.537	3779234.556	516.70
LOCATION	L0008598	VOLUME	459798.535	3779239.556	516.83
LOCATION	L0008599	VOLUME	459798.533	3779244.556	516.96
LOCATION	L0008600	VOLUME	459798.531	3779249.556	517.09
LOCATION	L0008601	VOLUME	459798.529	3779254.556	517.22
LOCATION	L0008602	VOLUME	459798.527	3779259.556	517.35
LOCATION	L0008603	VOLUME	459798.525	3779264.556	517.49
LOCATION	L0008604	VOLUME	459798.523	3779269.556	517.63
LOCATION	L0008605	VOLUME	459798.521	3779274.556	517.77
LOCATION	L0008606	VOLUME	459798.519	3779279.556	517.91
LOCATION	L0008607	VOLUME	459798.517	3779284.556	518.05
LOCATION	L0008608	VOLUME	459798.515	3779289.556	518.18
LOCATION	L0008609	VOLUME	459798.513	3779294.556	518.34
LOCATION	L0008610	VOLUME	459798.511	3779299.556	518.49
LOCATION	L0008611	VOLUME	459798.509	3779304.556	518.65
LOCATION	L0008612	VOLUME	459798.507	3779309.556	518.80
LOCATION	L0008613	VOLUME	459798.505	3779314.556	518.96
LOCATION	L0008614	VOLUME	459798.503	3779319.556	519.11
LOCATION	L0008615	VOLUME	459798.501	3779324.556	519.26
LOCATION	L0008616	VOLUME	459798.499	3779329.556	519.40
LOCATION	L0008617	VOLUME	459798.497	3779334.556	519.54
LOCATION	L0008618	VOLUME	459798.495	3779339.556	519.69
LOCATION	L0008619	VOLUME	459798.493	3779344.556	519.83
LOCATION	L0008620	VOLUME	459798.491	3779349.556	519.98
LOCATION	L0008621	VOLUME	459798.489	3779354.556	520.10
LOCATION	L0008622	VOLUME	459798.487	3779359.556	520.21
LOCATION	L0008623	VOLUME	459798.485	3779364.556	520.32
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LOCATION	L0008625	VOLUME	459798.481	3779374.556	520.55
LOCATION	L0008626	VOLUME	459798.479	3779379.556	520.66
LOCATION	L0008627	VOLUME	459798.477	3779384.556	520.79
LOCATION	L0008628	VOLUME	459798.475	3779389.556	520.92
LOCATION	L0008629	VOLUME	459798.473	3779394.556	521.05
LOCATION	L0008630	VOLUME	459798.471	3779399.556	521.18
LOCATION	L0008631	VOLUME	459798.469	3779404.556	521.31
LOCATION	L0008632	VOLUME	459798.467	3779409.556	521.44
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LOCATION	L0008634	VOLUME	459798.463	3779419.556	521.71
LOCATION	L0008635	VOLUME	459798.461	3779424.556	521.85
LOCATION	L0008636	VOLUME	459798.459	3779429.556	521.98
LOCATION	L0008637	VOLUME	459798.457	3779434.556	522.12
LOCATION	L0008638	VOLUME	459798.455	3779439.556	522.26
LOCATION	L0008639	VOLUME	459798.453	3779444.556	522.40
LOCATION	L0008640	VOLUME	459798.451	3779449.556	522.54
LOCATION	L0008641	VOLUME	459798.449	3779454.556	522.69

LOCATION	L0008642	VOLUME	459798.447	3779459.556	522.83
LOCATION	L0008643	VOLUME	459798.445	3779464.556	522.98
LOCATION	L0008644	VOLUME	459798.443	3779469.556	523.12
LOCATION	L0008645	VOLUME	459798.441	3779474.556	523.27
LOCATION	L0008646	VOLUME	459798.439	3779479.556	523.41
LOCATION	L0008647	VOLUME	459798.437	3779484.556	523.55
LOCATION	L0008648	VOLUME	459798.435	3779489.556	523.68
LOCATION	L0008649	VOLUME	459798.433	3779494.556	523.82
LOCATION	L0008650	VOLUME	459798.431	3779499.556	523.96
LOCATION	L0008651	VOLUME	459798.429	3779504.556	524.10
LOCATION	L0008652	VOLUME	459798.427	3779509.556	524.24
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LOCATION	L0008654	VOLUME	459798.423	3779519.556	524.52
LOCATION	L0008655	VOLUME	459798.421	3779524.556	524.66
LOCATION	L0008656	VOLUME	459798.419	3779529.556	524.80
LOCATION	L0008657	VOLUME	459798.417	3779534.556	524.94
LOCATION	L0008658	VOLUME	459798.415	3779539.556	525.08
LOCATION	L0008659	VOLUME	459798.413	3779544.556	525.23
LOCATION	L0008660	VOLUME	459798.411	3779549.556	525.37
LOCATION	L0008661	VOLUME	459798.409	3779554.556	525.52
LOCATION	L0008662	VOLUME	459798.407	3779559.556	525.66
LOCATION	L0008663	VOLUME	459798.405	3779564.556	525.81
LOCATION	L0008664	VOLUME	459798.403	3779569.556	525.96
LOCATION	L0008665	VOLUME	459798.401	3779574.556	526.10
LOCATION	L0008666	VOLUME	459798.399	3779579.556	526.24
LOCATION	L0008667	VOLUME	459798.397	3779584.556	526.39
LOCATION	L0008668	VOLUME	459798.395	3779589.556	526.53
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LOCATION	L0008670	VOLUME	459798.391	3779599.556	526.82
LOCATION	L0008671	VOLUME	459798.389	3779604.556	526.97
LOCATION	L0008672	VOLUME	459798.387	3779609.556	527.12
LOCATION	L0008673	VOLUME	459798.385	3779614.556	527.28
LOCATION	L0008674	VOLUME	459798.383	3779619.556	527.43
LOCATION	L0008675	VOLUME	459798.381	3779624.556	527.58
LOCATION	L0008676	VOLUME	459798.379	3779629.556	527.73
LOCATION	L0008677	VOLUME	459798.377	3779634.556	527.89
LOCATION	L0008678	VOLUME	459798.375	3779639.556	528.05
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LOCATION	L0008681	VOLUME	459798.369	3779654.556	528.53
LOCATION	L0008682	VOLUME	459798.367	3779659.556	528.69
LOCATION	L0008683	VOLUME	459798.365	3779664.556	528.85
LOCATION	L0008684	VOLUME	459798.363	3779669.556	529.01
LOCATION	L0008685	VOLUME	459798.361	3779674.556	529.18
LOCATION	L0008686	VOLUME	459798.359	3779679.556	529.34
LOCATION	L0008687	VOLUME	459798.357	3779684.556	529.51
LOCATION	L0008688	VOLUME	459798.355	3779689.556	529.67
LOCATION	L0008689	VOLUME	459798.353	3779694.556	529.83

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   LOCATION L0008691     VOLUME   459798.349 3779704.556 530.16
   LOCATION L0008692     VOLUME   459798.347 3779709.556 530.32
   LOCATION L0008693     VOLUME   459798.345 3779714.556 530.48
   LOCATION L0008694     VOLUME   459798.343 3779719.556 530.65
   LOCATION L0008695     VOLUME   459798.341 3779724.556 530.79
   LOCATION L0008696     VOLUME   459798.339 3779729.556 530.92
   LOCATION L0008697     VOLUME   459798.337 3779734.556 531.06
   LOCATION L0008698     VOLUME   459798.335 3779739.556 531.19
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC On-Site Construction
** PREFIX
** Length of Side = 30.00
** Configuration = Adjacent
** Emission Rate = 0.00276
** Vertical Dimension = 6.12
** SZINIT = 2.85
** Nodes = 15
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** 459902.110, 3779893.547, 535.75, 3.06, 13.95
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   LOCATION L0009526     VOLUME   459902.244 3779865.002 534.82
   LOCATION L0009527     VOLUME   459903.561 3779893.425 535.74
   LOCATION L0009528     VOLUME   459933.455 3779890.909 535.55
   LOCATION L0009529     VOLUME   459963.349 3779888.393 535.42
   LOCATION L0009530     VOLUME   459993.244 3779885.877 535.16
   LOCATION L0009531     VOLUME   459997.076 3779858.987 534.44
   LOCATION L0009532     VOLUME   459997.589 3779828.991 533.60
   LOCATION L0009533     VOLUME   459995.671 3779801.390 532.84
   LOCATION L0009534     VOLUME   459965.671 3779801.452 532.93
   LOCATION L0009535     VOLUME   459935.671 3779801.514 532.88
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   LOCATION L0009537     VOLUME   459875.671 3779801.638 532.75
   LOCATION L0009538     VOLUME   459872.300 3779829.171 533.49
   LOCATION L0009539     VOLUME   459871.304 3779859.154 534.38
   LOCATION L0009540     VOLUME   459870.308 3779889.138 535.37
   LOCATION L0009541     VOLUME   459869.312 3779919.121 536.35
   LOCATION L0009542     VOLUME   459896.761 3779920.845 536.59
   LOCATION L0009543     VOLUME   459926.750 3779920.045 536.48
   LOCATION L0009544     VOLUME   459956.739 3779919.246 536.39
   LOCATION L0009545     VOLUME   459986.729 3779918.446 536.13
   LOCATION L0009546     VOLUME   460016.718 3779917.646 535.78
   LOCATION L0009547     VOLUME   460031.010 3779901.717 535.06
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SRCPARAM	L0008518	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008519	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008520	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008521	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008522	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008523	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008524	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008525	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008526	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008527	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008528	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008529	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008530	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008531	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008533	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008534	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008535	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008536	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008537	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008538	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008539	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008540	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008541	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008542	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008543	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008544	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008545	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008546	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008547	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008548	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008549	0.00000002561	3.70	2.33	2.89

SRCPARAM	L0008550	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008551	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008552	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008553	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008554	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008556	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008557	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008558	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008565	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008566	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008577	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008578	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008579	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008580	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008585	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008587	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008591	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008592	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008593	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008594	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008595	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008596	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008618	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008619	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008622	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008623	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008624	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008625	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008626	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008627	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008628	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008629	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008630	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008631	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008632	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008633	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008634	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008635	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008636	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008637	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008639	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008640	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008641	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008642	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008643	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008644	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008645	0.00000002561	3.70	2.33	2.89

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SRCPARAM	L0008647	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008648	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008649	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008650	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008653	0.00000002561	3.70	2.33	2.89
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SRCPARAM	L0008659	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008660	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008661	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008662	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008663	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008664	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008665	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008666	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008667	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008668	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008669	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008670	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008671	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008672	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008673	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008674	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008675	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008676	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008677	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008678	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008679	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008680	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008681	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008682	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008683	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008684	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008685	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008686	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008687	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008688	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008689	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008690	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008691	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008692	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008693	0.00000002561	3.70	2.33	2.89

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   SRCPARAM L0008696     0.00000002561      3.70      2.33      2.89
   SRCPARAM L0008697     0.00000002561      3.70      2.33      2.89
   SRCPARAM L0008698     0.00000002561      3.70      2.33      2.89
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** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0009525     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009526     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009527     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009528     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009529     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009530     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009531     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009532     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009533     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009534     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009535     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009536     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009537     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009538     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009539     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009540     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009541     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009542     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009543     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009544     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009545     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009546     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009547     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009548     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009549     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009550     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009551     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009552     0.0000501818      3.06     13.95      2.85
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   SRCPARAM L0009554     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009555     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009556     0.0000501818      3.06     13.95      2.85
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   SRCPARAM L0009562     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009563     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009564     0.0000501818      3.06     13.95      2.85
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   SRCPARAM L0009566     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009567     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009568     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009569     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009570     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009571     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009572     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009573     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009574     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009575     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009576     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009577     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009578     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009579     0.0000501818      3.06     13.95      2.85
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "Fontana_Sierra Casa Grande.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
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   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Fontana_Sierra Casa Grande.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "Fontana_Sierra Casa Grande.AD\24H1GALL.PLT" 32
   PLOTFILE ANNUAL ALL "Fontana_Sierra Casa Grande.AD\AN00GALL.PLT" 33
   SUMMFILE "Fontana_Sierra Casa Grande.sum"
OU FINISHED
**
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 3/19/2020
** File: C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande_Const_Tier 4\Fontana_Sierra
Casa Grande.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa
   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Fontana_Sierra Casa Grande.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 = SLINE2
** DESCRSRC Sierra Avenue - SR-210 to Casa Grande
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 0.000011219
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 3
** 459791.705, 3777552.074, 473.30, 3.70, 2.33
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** 459798.663, 3778918.242, 508.32, 3.70, 2.33
** 459798.334, 3779742.591, 531.33, 3.70, 2.33
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   LOCATION L0008261     VOLUME   459791.717 3777554.574 473.25
   LOCATION L0008262     VOLUME   459791.743 3777559.574 473.37
   LOCATION L0008263     VOLUME   459791.768 3777564.574 473.50
   LOCATION L0008264     VOLUME   459791.794 3777569.574 473.62
   LOCATION L0008265     VOLUME   459791.819 3777574.573 473.75
   LOCATION L0008266     VOLUME   459791.845 3777579.573 473.87
   LOCATION L0008267     VOLUME   459791.870 3777584.573 473.99
   LOCATION L0008268     VOLUME   459791.896 3777589.573 474.12
   LOCATION L0008269     VOLUME   459791.921 3777594.573 474.24
   LOCATION L0008270     VOLUME   459791.947 3777599.573 474.37
   LOCATION L0008271     VOLUME   459791.972 3777604.573 474.49
   LOCATION L0008272     VOLUME   459791.997 3777609.573 474.62
   LOCATION L0008273     VOLUME   459792.023 3777614.573 474.74
   LOCATION L0008274     VOLUME   459792.048 3777619.573 474.87
   LOCATION L0008275     VOLUME   459792.074 3777624.573 474.99
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   LOCATION L0008277     VOLUME   459792.125 3777634.573 475.23
   LOCATION L0008278     VOLUME   459792.150 3777639.573 475.34
   LOCATION L0008279     VOLUME   459792.176 3777644.573 475.46
   LOCATION L0008280     VOLUME   459792.201 3777649.572 475.57
   LOCATION L0008281     VOLUME   459792.227 3777654.572 475.69
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   LOCATION L0008283     VOLUME   459792.278 3777664.572 475.92
   LOCATION L0008284     VOLUME   459792.303 3777669.572 476.04
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   LOCATION L0008287     VOLUME   459792.379 3777684.572 476.40
   LOCATION L0008288     VOLUME   459792.405 3777689.572 476.51
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   LOCATION L0008292     VOLUME   459792.507 3777709.572 476.98
   LOCATION L0008293     VOLUME   459792.532 3777714.572 477.10
   LOCATION L0008294     VOLUME   459792.558 3777719.572 477.22
   LOCATION L0008295     VOLUME   459792.583 3777724.572 477.34
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   LOCATION L0008297     VOLUME   459792.634 3777734.571 477.60
   LOCATION L0008298     VOLUME   459792.660 3777739.571 477.73
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   LOCATION L0008300     VOLUME   459792.711 3777749.571 477.98
   LOCATION L0008301     VOLUME   459792.736 3777754.571 478.11
   LOCATION L0008302     VOLUME   459792.761 3777759.571 478.25
   LOCATION L0008303     VOLUME   459792.787 3777764.571 478.38
   LOCATION L0008304     VOLUME   459792.812 3777769.571 478.51
   LOCATION L0008305     VOLUME   459792.838 3777774.571 478.64
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LOCATION	L0008314	VOLUME	459793.067	3777819.570	479.83
LOCATION	L0008315	VOLUME	459793.093	3777824.570	479.98
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LOCATION	L0008318	VOLUME	459793.169	3777839.570	480.43
LOCATION	L0008319	VOLUME	459793.194	3777844.570	480.57
LOCATION	L0008320	VOLUME	459793.220	3777849.570	480.69
LOCATION	L0008321	VOLUME	459793.245	3777854.570	480.81
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LOCATION	L0008323	VOLUME	459793.296	3777864.570	481.06
LOCATION	L0008324	VOLUME	459793.322	3777869.570	481.18
LOCATION	L0008325	VOLUME	459793.347	3777874.570	481.30
LOCATION	L0008326	VOLUME	459793.373	3777879.569	481.43
LOCATION	L0008327	VOLUME	459793.398	3777884.569	481.55
LOCATION	L0008328	VOLUME	459793.424	3777889.569	481.68
LOCATION	L0008329	VOLUME	459793.449	3777894.569	481.80
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LOCATION	L0008331	VOLUME	459793.500	3777904.569	482.05
LOCATION	L0008332	VOLUME	459793.525	3777909.569	482.16
LOCATION	L0008333	VOLUME	459793.551	3777914.569	482.28
LOCATION	L0008334	VOLUME	459793.576	3777919.569	482.39
LOCATION	L0008335	VOLUME	459793.602	3777924.569	482.51
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LOCATION	L0008341	VOLUME	459793.755	3777954.569	483.28
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LOCATION	L0008343	VOLUME	459793.806	3777964.568	483.55
LOCATION	L0008344	VOLUME	459793.831	3777969.568	483.71
LOCATION	L0008345	VOLUME	459793.857	3777974.568	483.87
LOCATION	L0008346	VOLUME	459793.882	3777979.568	484.03
LOCATION	L0008347	VOLUME	459793.908	3777984.568	484.18
LOCATION	L0008348	VOLUME	459793.933	3777989.568	484.34
LOCATION	L0008349	VOLUME	459793.958	3777994.568	484.50
LOCATION	L0008350	VOLUME	459793.984	3777999.568	484.64
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LOCATION	L0008352	VOLUME	459794.035	3778009.568	484.90
LOCATION	L0008353	VOLUME	459794.060	3778014.568	485.02

LOCATION	L0008354	VOLUME	459794.086	3778019.568	485.15
LOCATION	L0008355	VOLUME	459794.111	3778024.568	485.28
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LOCATION	L0008358	VOLUME	459794.188	3778039.567	485.70
LOCATION	L0008359	VOLUME	459794.213	3778044.567	485.85
LOCATION	L0008360	VOLUME	459794.239	3778049.567	485.99
LOCATION	L0008361	VOLUME	459794.264	3778054.567	486.13
LOCATION	L0008362	VOLUME	459794.290	3778059.567	486.27
LOCATION	L0008363	VOLUME	459794.315	3778064.567	486.38
LOCATION	L0008364	VOLUME	459794.340	3778069.567	486.50
LOCATION	L0008365	VOLUME	459794.366	3778074.567	486.61
LOCATION	L0008366	VOLUME	459794.391	3778079.567	486.72
LOCATION	L0008367	VOLUME	459794.417	3778084.567	486.84
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LOCATION	L0008369	VOLUME	459794.468	3778094.567	487.06
LOCATION	L0008370	VOLUME	459794.493	3778099.567	487.16
LOCATION	L0008371	VOLUME	459794.519	3778104.567	487.27
LOCATION	L0008372	VOLUME	459794.544	3778109.567	487.38
LOCATION	L0008373	VOLUME	459794.570	3778114.566	487.48
LOCATION	L0008374	VOLUME	459794.595	3778119.566	487.59
LOCATION	L0008375	VOLUME	459794.621	3778124.566	487.72
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LOCATION	L0008382	VOLUME	459794.799	3778159.566	488.58
LOCATION	L0008383	VOLUME	459794.824	3778164.566	488.69
LOCATION	L0008384	VOLUME	459794.850	3778169.566	488.80
LOCATION	L0008385	VOLUME	459794.875	3778174.566	488.91
LOCATION	L0008386	VOLUME	459794.901	3778179.566	489.02
LOCATION	L0008387	VOLUME	459794.926	3778184.566	489.12
LOCATION	L0008388	VOLUME	459794.952	3778189.565	489.23
LOCATION	L0008389	VOLUME	459794.977	3778194.565	489.33
LOCATION	L0008390	VOLUME	459795.003	3778199.565	489.43
LOCATION	L0008391	VOLUME	459795.028	3778204.565	489.53
LOCATION	L0008392	VOLUME	459795.054	3778209.565	489.63
LOCATION	L0008393	VOLUME	459795.079	3778214.565	489.74
LOCATION	L0008394	VOLUME	459795.104	3778219.565	489.85
LOCATION	L0008395	VOLUME	459795.130	3778224.565	489.96
LOCATION	L0008396	VOLUME	459795.155	3778229.565	490.07
LOCATION	L0008397	VOLUME	459795.181	3778234.565	490.18
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LOCATION	L0008399	VOLUME	459795.232	3778244.565	490.41
LOCATION	L0008400	VOLUME	459795.257	3778249.565	490.53
LOCATION	L0008401	VOLUME	459795.283	3778254.565	490.65

LOCATION	L0008402	VOLUME	459795.308	3778259.565	490.77
LOCATION	L0008403	VOLUME	459795.334	3778264.565	490.89
LOCATION	L0008404	VOLUME	459795.359	3778269.564	491.02
LOCATION	L0008405	VOLUME	459795.385	3778274.564	491.14
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LOCATION	L0008407	VOLUME	459795.436	3778284.564	491.39
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LOCATION	L0008409	VOLUME	459795.486	3778294.564	491.64
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LOCATION	L0008415	VOLUME	459795.639	3778324.564	492.46
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LOCATION	L0008417	VOLUME	459795.690	3778334.564	492.74
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LOCATION	L0008423	VOLUME	459795.843	3778364.563	493.64
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LOCATION	L0008448	VOLUME	459796.480	3778489.562	496.89
LOCATION	L0008449	VOLUME	459796.505	3778494.562	497.04

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LOCATION	L0008451	VOLUME	459796.556	3778504.561	497.34
LOCATION	L0008452	VOLUME	459796.582	3778509.561	497.48
LOCATION	L0008453	VOLUME	459796.607	3778514.561	497.63
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LOCATION	L0008462	VOLUME	459796.836	3778559.561	498.96
LOCATION	L0008463	VOLUME	459796.862	3778564.561	499.10
LOCATION	L0008464	VOLUME	459796.887	3778569.561	499.23
LOCATION	L0008465	VOLUME	459796.913	3778574.560	499.37
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LOCATION	L0008469	VOLUME	459797.015	3778594.560	499.95
LOCATION	L0008470	VOLUME	459797.040	3778599.560	500.10
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LOCATION	L0008480	VOLUME	459797.295	3778649.560	501.39
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LOCATION	L0008497	VOLUME	459797.728	3778734.558	503.68

LOCATION	L0008498	VOLUME	459797.753	3778739.558	503.81
LOCATION	L0008499	VOLUME	459797.779	3778744.558	503.93
LOCATION	L0008500	VOLUME	459797.804	3778749.558	504.06
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LOCATION	L0008515	VOLUME	459798.186	3778824.557	505.97
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LOCATION	L0008531	VOLUME	459798.593	3778904.556	508.03
LOCATION	L0008532	VOLUME	459798.619	3778909.556	508.14
LOCATION	L0008533	VOLUME	459798.644	3778914.556	508.25
LOCATION	L0008534	VOLUME	459798.663	3778919.556	508.36
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LOCATION	L0008537	VOLUME	459798.657	3778934.556	508.76
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LOCATION	L0008539	VOLUME	459798.653	3778944.556	509.03
LOCATION	L0008540	VOLUME	459798.651	3778949.556	509.17
LOCATION	L0008541	VOLUME	459798.649	3778954.556	509.31
LOCATION	L0008542	VOLUME	459798.647	3778959.556	509.45
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LOCATION	L0008545	VOLUME	459798.641	3778974.556	509.87

LOCATION	L0008546	VOLUME	459798.639	3778979.556	510.01
LOCATION	L0008547	VOLUME	459798.637	3778984.556	510.15
LOCATION	L0008548	VOLUME	459798.635	3778989.556	510.29
LOCATION	L0008549	VOLUME	459798.633	3778994.556	510.43
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LOCATION	L0008562	VOLUME	459798.607	3779059.556	512.34
LOCATION	L0008563	VOLUME	459798.605	3779064.556	512.49
LOCATION	L0008564	VOLUME	459798.603	3779069.556	512.65
LOCATION	L0008565	VOLUME	459798.601	3779074.556	512.80
LOCATION	L0008566	VOLUME	459798.599	3779079.556	512.93
LOCATION	L0008567	VOLUME	459798.597	3779084.556	513.06
LOCATION	L0008568	VOLUME	459798.595	3779089.556	513.18
LOCATION	L0008569	VOLUME	459798.593	3779094.556	513.31
LOCATION	L0008570	VOLUME	459798.591	3779099.556	513.44
LOCATION	L0008571	VOLUME	459798.589	3779104.556	513.57
LOCATION	L0008572	VOLUME	459798.587	3779109.556	513.68
LOCATION	L0008573	VOLUME	459798.585	3779114.556	513.78
LOCATION	L0008574	VOLUME	459798.583	3779119.556	513.89
LOCATION	L0008575	VOLUME	459798.581	3779124.556	514.00
LOCATION	L0008576	VOLUME	459798.579	3779129.556	514.11
LOCATION	L0008577	VOLUME	459798.577	3779134.556	514.22
LOCATION	L0008578	VOLUME	459798.575	3779139.556	514.33
LOCATION	L0008579	VOLUME	459798.573	3779144.556	514.45
LOCATION	L0008580	VOLUME	459798.571	3779149.556	514.57
LOCATION	L0008581	VOLUME	459798.569	3779154.556	514.69
LOCATION	L0008582	VOLUME	459798.567	3779159.556	514.80
LOCATION	L0008583	VOLUME	459798.565	3779164.556	514.92
LOCATION	L0008584	VOLUME	459798.563	3779169.556	515.04
LOCATION	L0008585	VOLUME	459798.561	3779174.556	515.17
LOCATION	L0008586	VOLUME	459798.559	3779179.556	515.29
LOCATION	L0008587	VOLUME	459798.557	3779184.556	515.42
LOCATION	L0008588	VOLUME	459798.555	3779189.556	515.54
LOCATION	L0008589	VOLUME	459798.553	3779194.556	515.67
LOCATION	L0008590	VOLUME	459798.551	3779199.556	515.80
LOCATION	L0008591	VOLUME	459798.549	3779204.556	515.93
LOCATION	L0008592	VOLUME	459798.547	3779209.556	516.06
LOCATION	L0008593	VOLUME	459798.545	3779214.556	516.19

LOCATION	L0008594	VOLUME	459798.543	3779219.556	516.32
LOCATION	L0008595	VOLUME	459798.541	3779224.556	516.45
LOCATION	L0008596	VOLUME	459798.539	3779229.556	516.57
LOCATION	L0008597	VOLUME	459798.537	3779234.556	516.70
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LOCATION	L0008599	VOLUME	459798.533	3779244.556	516.96
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LOCATION	L0008610	VOLUME	459798.511	3779299.556	518.49
LOCATION	L0008611	VOLUME	459798.509	3779304.556	518.65
LOCATION	L0008612	VOLUME	459798.507	3779309.556	518.80
LOCATION	L0008613	VOLUME	459798.505	3779314.556	518.96
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LOCATION	L0008620	VOLUME	459798.491	3779349.556	519.98
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LOCATION	L0008635	VOLUME	459798.461	3779424.556	521.85
LOCATION	L0008636	VOLUME	459798.459	3779429.556	521.98
LOCATION	L0008637	VOLUME	459798.457	3779434.556	522.12
LOCATION	L0008638	VOLUME	459798.455	3779439.556	522.26
LOCATION	L0008639	VOLUME	459798.453	3779444.556	522.40
LOCATION	L0008640	VOLUME	459798.451	3779449.556	522.54
LOCATION	L0008641	VOLUME	459798.449	3779454.556	522.69

LOCATION	L0008642	VOLUME	459798.447	3779459.556	522.83
LOCATION	L0008643	VOLUME	459798.445	3779464.556	522.98
LOCATION	L0008644	VOLUME	459798.443	3779469.556	523.12
LOCATION	L0008645	VOLUME	459798.441	3779474.556	523.27
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LOCATION	L0008657	VOLUME	459798.417	3779534.556	524.94
LOCATION	L0008658	VOLUME	459798.415	3779539.556	525.08
LOCATION	L0008659	VOLUME	459798.413	3779544.556	525.23
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LOCATION	L0008664	VOLUME	459798.403	3779569.556	525.96
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LOCATION	L0008667	VOLUME	459798.397	3779584.556	526.39
LOCATION	L0008668	VOLUME	459798.395	3779589.556	526.53
LOCATION	L0008669	VOLUME	459798.393	3779594.556	526.67
LOCATION	L0008670	VOLUME	459798.391	3779599.556	526.82
LOCATION	L0008671	VOLUME	459798.389	3779604.556	526.97
LOCATION	L0008672	VOLUME	459798.387	3779609.556	527.12
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LOCATION	L0008675	VOLUME	459798.381	3779624.556	527.58
LOCATION	L0008676	VOLUME	459798.379	3779629.556	527.73
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LOCATION	L0008682	VOLUME	459798.367	3779659.556	528.69
LOCATION	L0008683	VOLUME	459798.365	3779664.556	528.85
LOCATION	L0008684	VOLUME	459798.363	3779669.556	529.01
LOCATION	L0008685	VOLUME	459798.361	3779674.556	529.18
LOCATION	L0008686	VOLUME	459798.359	3779679.556	529.34
LOCATION	L0008687	VOLUME	459798.357	3779684.556	529.51
LOCATION	L0008688	VOLUME	459798.355	3779689.556	529.67
LOCATION	L0008689	VOLUME	459798.353	3779694.556	529.83

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   LOCATION L0008692     VOLUME   459798.347 3779709.556 530.32
   LOCATION L0008693     VOLUME   459798.345 3779714.556 530.48
   LOCATION L0008694     VOLUME   459798.343 3779719.556 530.65
   LOCATION L0008695     VOLUME   459798.341 3779724.556 530.79
   LOCATION L0008696     VOLUME   459798.339 3779729.556 530.92
   LOCATION L0008697     VOLUME   459798.337 3779734.556 531.06
   LOCATION L0008698     VOLUME   459798.335 3779739.556 531.19
** End of LINE VOLUME Source ID = SLINE2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC On-Site Construction
** PREFIX
** Length of Side = 30.00
** Configuration = Adjacent
** Emission Rate = 0.00276
** Vertical Dimension = 6.12
** SZINIT = 2.85
** Nodes = 15
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** 459902.110, 3779893.547, 535.75, 3.06, 13.95
** 459996.622, 3779885.593, 535.10, 3.06, 13.95
** 459998.061, 3779801.385, 532.96, 3.06, 13.95
** 459873.214, 3779801.643, 532.90, 3.06, 13.95
** 459869.230, 3779921.579, 536.31, 3.06, 13.95
** 460031.168, 3779917.261, 535.28, 3.06, 13.95
** 460029.729, 3779776.195, 532.04, 3.06, 13.95
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   LOCATION L0009529     VOLUME   459963.349 3779888.393 535.42
   LOCATION L0009530     VOLUME   459993.244 3779885.877 535.16
   LOCATION L0009531     VOLUME   459997.076 3779858.987 534.44
   LOCATION L0009532     VOLUME   459997.589 3779828.991 533.60
   LOCATION L0009533     VOLUME   459995.671 3779801.390 532.84
   LOCATION L0009534     VOLUME   459965.671 3779801.452 532.93
   LOCATION L0009535     VOLUME   459935.671 3779801.514 532.88
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   LOCATION L0009538     VOLUME   459872.300 3779829.171 533.49
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   LOCATION L0009540     VOLUME   459870.308 3779889.138 535.37
   LOCATION L0009541     VOLUME   459869.312 3779919.121 536.35
   LOCATION L0009542     VOLUME   459896.761 3779920.845 536.59
   LOCATION L0009543     VOLUME   459926.750 3779920.045 536.48
   LOCATION L0009544     VOLUME   459956.739 3779919.246 536.39
   LOCATION L0009545     VOLUME   459986.729 3779918.446 536.13
   LOCATION L0009546     VOLUME   460016.718 3779917.646 535.78
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   LOCATION L0009560     VOLUME   459836.422 3779861.155 534.42
   LOCATION L0009561     VOLUME   459836.558 3779891.154 535.26
   LOCATION L0009562     VOLUME   459836.694 3779921.154 536.14
   LOCATION L0009563     VOLUME   459836.830 3779951.154 537.00
   LOCATION L0009564     VOLUME   459864.025 3779953.525 537.29
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   LOCATION L0009567     VOLUME   459954.013 3779952.062 537.60
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   LOCATION L0009573     VOLUME   460066.263 3779956.261 536.56
   LOCATION L0009574     VOLUME   460066.466 3779926.262 535.74
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** End of LINE VOLUME Source ID = SLINE3
** Source Parameters **
** LINE VOLUME Source ID = SLINE2
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SRCPARAM	L0008629	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008630	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008631	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008632	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008633	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008634	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008635	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008636	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008637	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008638	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008639	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008640	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008641	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008642	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008643	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008644	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008645	0.00000002561	3.70	2.33	2.89

SRCPARAM	L0008646	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008647	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008648	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008649	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008650	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008651	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008652	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008653	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008654	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008655	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008656	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008657	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008658	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008659	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008660	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008661	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008662	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008663	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008664	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008665	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008666	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008667	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008668	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008669	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008670	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008671	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008672	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008673	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008674	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008675	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008676	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008677	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008678	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008679	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008680	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008681	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008682	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008683	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008684	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008685	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008686	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008687	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008688	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008689	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008690	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008691	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008692	0.00000002561	3.70	2.33	2.89
SRCPARAM	L0008693	0.00000002561	3.70	2.33	2.89

```
   SRCPARAM L0008694     0.00000002561      3.70      2.33      2.89
   SRCPARAM L0008695     0.00000002561      3.70      2.33      2.89
   SRCPARAM L0008696     0.00000002561      3.70      2.33      2.89
   SRCPARAM L0008697     0.00000002561      3.70      2.33      2.89
   SRCPARAM L0008698     0.00000002561      3.70      2.33      2.89
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0009525     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009526     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009527     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009528     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009529     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009530     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009531     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009532     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009533     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009534     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009535     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009536     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009537     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009538     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009539     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009540     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009541     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009542     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009543     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009544     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009545     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009546     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009547     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009548     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009549     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009550     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009551     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009552     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009553     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009554     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009555     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009556     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009557     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009558     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009559     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009560     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009561     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009562     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009563     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009564     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009565     0.0000501818      3.06     13.95      2.85
```

```
   SRCPARAM L0009566     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009567     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009568     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009569     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009570     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009571     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009572     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009573     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009574     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009575     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009576     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009577     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009578     0.0000501818      3.06     13.95      2.85
   SRCPARAM L0009579     0.0000501818      3.06     13.95      2.85
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "Fontana_Sierra Casa Grande.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
```

```
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Fontana_Sierra Casa Grande.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "Fontana_Sierra Casa Grande.AD\24H1GALL.PLT" 32
   PLOTFILE ANNUAL ALL "Fontana_Sierra Casa Grande.AD\AN00GALL.PLT" 33
   SUMMFILE "Fontana_Sierra Casa Grande.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186    1096       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1096       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:11:17

                                 PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

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

```
  --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   493 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    493 Source(s);       1 Source Group(s); and     554
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    493 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      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
```

```
                          Fontana_Sierra Casa Grande.ADO
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                               ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Fontana_Sierra Casa Grande.err

 **File for Summary of Results:   Fontana_Sierra Casa Grande.sum

 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

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


                                                *** VOLUME SOURCE DATA ***

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

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

 L0008261         0   0.25610E-07  459791.7 3777554.6   473.2     3.70     2.33
2.89     YES
 L0008262         0   0.25610E-07  459791.7 3777559.6   473.4     3.70     2.33
2.89     YES
 L0008263         0   0.25610E-07  459791.8 3777564.6   473.5     3.70     2.33
2.89     YES
 L0008264         0   0.25610E-07  459791.8 3777569.6   473.6     3.70     2.33
2.89     YES
 L0008265         0   0.25610E-07  459791.8 3777574.6   473.8     3.70     2.33
2.89     YES
 L0008266         0   0.25610E-07  459791.8 3777579.6   473.9     3.70     2.33
2.89     YES
 L0008267         0   0.25610E-07  459791.9 3777584.6   474.0     3.70     2.33
2.89     YES
 L0008268         0   0.25610E-07  459791.9 3777589.6   474.1     3.70     2.33
2.89     YES
 L0008269         0   0.25610E-07  459791.9 3777594.6   474.2     3.70     2.33
2.89     YES
 L0008270         0   0.25610E-07  459791.9 3777599.6   474.4     3.70     2.33
2.89     YES
 L0008271         0   0.25610E-07  459792.0 3777604.6   474.5     3.70     2.33
2.89     YES
 L0008272         0   0.25610E-07  459792.0 3777609.6   474.6     3.70     2.33
2.89     YES
 L0008273         0   0.25610E-07  459792.0 3777614.6   474.7     3.70     2.33
2.89     YES
 L0008274         0   0.25610E-07  459792.0 3777619.6   474.9     3.70     2.33
2.89     YES
 L0008275         0   0.25610E-07  459792.1 3777624.6   475.0     3.70     2.33
2.89     YES
 L0008276         0   0.25610E-07  459792.1 3777629.6   475.1     3.70     2.33
2.89     YES
 L0008277         0   0.25610E-07  459792.1 3777634.6   475.2     3.70     2.33
2.89     YES
 L0008278         0   0.25610E-07  459792.1 3777639.6   475.3     3.70     2.33
2.89     YES
 L0008279         0   0.25610E-07  459792.2 3777644.6   475.5     3.70     2.33
2.89     YES
 L0008280         0   0.25610E-07  459792.2 3777649.6   475.6     3.70     2.33
2.89     YES
 L0008281         0   0.25610E-07  459792.2 3777654.6   475.7     3.70     2.33
2.89     YES
 L0008282         0   0.25610E-07  459792.3 3777659.6   475.8     3.70     2.33
2.89     YES
 L0008283         0   0.25610E-07  459792.3 3777664.6   475.9     3.70     2.33
2.89     YES
```

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 L0008284         0   0.25610E-07  459792.3 3777669.6   476.0     3.70     2.33
2.89     YES
 L0008285         0   0.25610E-07  459792.3 3777674.6   476.2     3.70     2.33
2.89     YES
 L0008286         0   0.25610E-07  459792.4 3777679.6   476.3     3.70     2.33
2.89     YES
 L0008287         0   0.25610E-07  459792.4 3777684.6   476.4     3.70     2.33
2.89     YES
 L0008288         0   0.25610E-07  459792.4 3777689.6   476.5     3.70     2.33
2.89     YES
 L0008289         0   0.25610E-07  459792.4 3777694.6   476.6     3.70     2.33
2.89     YES
 L0008290         0   0.25610E-07  459792.5 3777699.6   476.8     3.70     2.33
2.89     YES
 L0008291         0   0.25610E-07  459792.5 3777704.6   476.9     3.70     2.33
2.89     YES
 L0008292         0   0.25610E-07  459792.5 3777709.6   477.0     3.70     2.33
2.89     YES
 L0008293         0   0.25610E-07  459792.5 3777714.6   477.1     3.70     2.33
2.89     YES
 L0008294         0   0.25610E-07  459792.6 3777719.6   477.2     3.70     2.33
2.89     YES
 L0008295         0   0.25610E-07  459792.6 3777724.6   477.3     3.70     2.33
2.89     YES
 L0008296         0   0.25610E-07  459792.6 3777729.6   477.5     3.70     2.33
2.89     YES
 L0008297         0   0.25610E-07  459792.6 3777734.6   477.6     3.70     2.33
2.89     YES
 L0008298         0   0.25610E-07  459792.7 3777739.6   477.7     3.70     2.33
2.89     YES
 L0008299         0   0.25610E-07  459792.7 3777744.6   477.9     3.70     2.33
2.89     YES
 L0008300         0   0.25610E-07  459792.7 3777749.6   478.0     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       16:11:17

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


                                                   *** VOLUME SOURCE DATA ***

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

```
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0008301         0   0.25610E-07  459792.7 3777754.6   478.1     3.70     2.33
2.89     YES
 L0008302         0   0.25610E-07  459792.8 3777759.6   478.2     3.70     2.33
2.89     YES
 L0008303         0   0.25610E-07  459792.8 3777764.6   478.4     3.70     2.33
2.89     YES
 L0008304         0   0.25610E-07  459792.8 3777769.6   478.5     3.70     2.33
2.89     YES
 L0008305         0   0.25610E-07  459792.8 3777774.6   478.6     3.70     2.33
2.89     YES
 L0008306         0   0.25610E-07  459792.9 3777779.6   478.8     3.70     2.33
2.89     YES
 L0008307         0   0.25610E-07  459792.9 3777784.6   478.9     3.70     2.33
2.89     YES
 L0008308         0   0.25610E-07  459792.9 3777789.6   479.0     3.70     2.33
2.89     YES
 L0008309         0   0.25610E-07  459792.9 3777794.6   479.2     3.70     2.33
2.89     YES
 L0008310         0   0.25610E-07  459793.0 3777799.6   479.3     3.70     2.33
2.89     YES
 L0008311         0   0.25610E-07  459793.0 3777804.6   479.4     3.70     2.33
2.89     YES
 L0008312         0   0.25610E-07  459793.0 3777809.6   479.5     3.70     2.33
2.89     YES
 L0008313         0   0.25610E-07  459793.0 3777814.6   479.7     3.70     2.33
2.89     YES
 L0008314         0   0.25610E-07  459793.1 3777819.6   479.8     3.70     2.33
2.89     YES
 L0008315         0   0.25610E-07  459793.1 3777824.6   480.0     3.70     2.33
2.89     YES
 L0008316         0   0.25610E-07  459793.1 3777829.6   480.1     3.70     2.33
2.89     YES
 L0008317         0   0.25610E-07  459793.1 3777834.6   480.3     3.70     2.33
2.89     YES
 L0008318         0   0.25610E-07  459793.2 3777839.6   480.4     3.70     2.33
2.89     YES
 L0008319         0   0.25610E-07  459793.2 3777844.6   480.6     3.70     2.33
2.89     YES
 L0008320         0   0.25610E-07  459793.2 3777849.6   480.7     3.70     2.33
2.89     YES
 L0008321         0   0.25610E-07  459793.2 3777854.6   480.8     3.70     2.33
2.89     YES
```

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 L0008322         0   0.25610E-07  459793.3 3777859.6   480.9     3.70     2.33
2.89     YES
 L0008323         0   0.25610E-07  459793.3 3777864.6   481.1     3.70     2.33
2.89     YES
 L0008324         0   0.25610E-07  459793.3 3777869.6   481.2     3.70     2.33
2.89     YES
 L0008325         0   0.25610E-07  459793.3 3777874.6   481.3     3.70     2.33
2.89     YES
 L0008326         0   0.25610E-07  459793.4 3777879.6   481.4     3.70     2.33
2.89     YES
 L0008327         0   0.25610E-07  459793.4 3777884.6   481.6     3.70     2.33
2.89     YES
 L0008328         0   0.25610E-07  459793.4 3777889.6   481.7     3.70     2.33
2.89     YES
 L0008329         0   0.25610E-07  459793.4 3777894.6   481.8     3.70     2.33
2.89     YES
 L0008330         0   0.25610E-07  459793.5 3777899.6   481.9     3.70     2.33
2.89     YES
 L0008331         0   0.25610E-07  459793.5 3777904.6   482.1     3.70     2.33
2.89     YES
 L0008332         0   0.25610E-07  459793.5 3777909.6   482.2     3.70     2.33
2.89     YES
 L0008333         0   0.25610E-07  459793.6 3777914.6   482.3     3.70     2.33
2.89     YES
 L0008334         0   0.25610E-07  459793.6 3777919.6   482.4     3.70     2.33
2.89     YES
 L0008335         0   0.25610E-07  459793.6 3777924.6   482.5     3.70     2.33
2.89     YES
 L0008336         0   0.25610E-07  459793.6 3777929.6   482.6     3.70     2.33
2.89     YES
 L0008337         0   0.25610E-07  459793.7 3777934.6   482.7     3.70     2.33
2.89     YES
 L0008338         0   0.25610E-07  459793.7 3777939.6   482.9     3.70     2.33
2.89     YES
 L0008339         0   0.25610E-07  459793.7 3777944.6   483.0     3.70     2.33
2.89     YES
 L0008340         0   0.25610E-07  459793.7 3777949.6   483.2     3.70     2.33
2.89     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:11:17

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


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

 L0008341         0   0.25610E-07  459793.8 3777954.6   483.3     3.70     2.33
2.89     YES
 L0008342         0   0.25610E-07  459793.8 3777959.6   483.4     3.70     2.33
2.89     YES
 L0008343         0   0.25610E-07  459793.8 3777964.6   483.6     3.70     2.33
2.89     YES
 L0008344         0   0.25610E-07  459793.8 3777969.6   483.7     3.70     2.33
2.89     YES
 L0008345         0   0.25610E-07  459793.9 3777974.6   483.9     3.70     2.33
2.89     YES
 L0008346         0   0.25610E-07  459793.9 3777979.6   484.0     3.70     2.33
2.89     YES
 L0008347         0   0.25610E-07  459793.9 3777984.6   484.2     3.70     2.33
2.89     YES
 L0008348         0   0.25610E-07  459793.9 3777989.6   484.3     3.70     2.33
2.89     YES
 L0008349         0   0.25610E-07  459794.0 3777994.6   484.5     3.70     2.33
2.89     YES
 L0008350         0   0.25610E-07  459794.0 3777999.6   484.6     3.70     2.33
2.89     YES
 L0008351         0   0.25610E-07  459794.0 3778004.6   484.8     3.70     2.33
2.89     YES
 L0008352         0   0.25610E-07  459794.0 3778009.6   484.9     3.70     2.33
2.89     YES
 L0008353         0   0.25610E-07  459794.1 3778014.6   485.0     3.70     2.33
2.89     YES
 L0008354         0   0.25610E-07  459794.1 3778019.6   485.2     3.70     2.33
2.89     YES
 L0008355         0   0.25610E-07  459794.1 3778024.6   485.3     3.70     2.33
2.89     YES
 L0008356         0   0.25610E-07  459794.1 3778029.6   485.4     3.70     2.33
2.89     YES
 L0008357         0   0.25610E-07  459794.2 3778034.6   485.6     3.70     2.33
2.89     YES
 L0008358         0   0.25610E-07  459794.2 3778039.6   485.7     3.70     2.33
2.89     YES
 L0008359         0   0.25610E-07  459794.2 3778044.6   485.9     3.70     2.33
2.89     YES
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 L0008360         0   0.25610E-07  459794.2 3778049.6   486.0     3.70     2.33
2.89     YES
 L0008361         0   0.25610E-07  459794.3 3778054.6   486.1     3.70     2.33
2.89     YES
 L0008362         0   0.25610E-07  459794.3 3778059.6   486.3     3.70     2.33
2.89     YES
 L0008363         0   0.25610E-07  459794.3 3778064.6   486.4     3.70     2.33
2.89     YES
 L0008364         0   0.25610E-07  459794.3 3778069.6   486.5     3.70     2.33
2.89     YES
 L0008365         0   0.25610E-07  459794.4 3778074.6   486.6     3.70     2.33
2.89     YES
 L0008366         0   0.25610E-07  459794.4 3778079.6   486.7     3.70     2.33
2.89     YES
 L0008367         0   0.25610E-07  459794.4 3778084.6   486.8     3.70     2.33
2.89     YES
 L0008368         0   0.25610E-07  459794.4 3778089.6   486.9     3.70     2.33
2.89     YES
 L0008369         0   0.25610E-07  459794.5 3778094.6   487.1     3.70     2.33
2.89     YES
 L0008370         0   0.25610E-07  459794.5 3778099.6   487.2     3.70     2.33
2.89     YES
 L0008371         0   0.25610E-07  459794.5 3778104.6   487.3     3.70     2.33
2.89     YES
 L0008372         0   0.25610E-07  459794.5 3778109.6   487.4     3.70     2.33
2.89     YES
 L0008373         0   0.25610E-07  459794.6 3778114.6   487.5     3.70     2.33
2.89     YES
 L0008374         0   0.25610E-07  459794.6 3778119.6   487.6     3.70     2.33
2.89     YES
 L0008375         0   0.25610E-07  459794.6 3778124.6   487.7     3.70     2.33
2.89     YES
 L0008376         0   0.25610E-07  459794.6 3778129.6   487.9     3.70     2.33
2.89     YES
 L0008377         0   0.25610E-07  459794.7 3778134.6   488.0     3.70     2.33
2.89     YES
 L0008378         0   0.25610E-07  459794.7 3778139.6   488.1     3.70     2.33
2.89     YES
 L0008379         0   0.25610E-07  459794.7 3778144.6   488.2     3.70     2.33
2.89     YES
 L0008380         0   0.25610E-07  459794.7 3778149.6   488.4     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0008381	0	0.25610E-07	459794.8	3778154.6	488.5	3.70	2.33	2.89	YES	
L0008382	0	0.25610E-07	459794.8	3778159.6	488.6	3.70	2.33	2.89	YES	
L0008383	0	0.25610E-07	459794.8	3778164.6	488.7	3.70	2.33	2.89	YES	
L0008384	0	0.25610E-07	459794.8	3778169.6	488.8	3.70	2.33	2.89	YES	
L0008385	0	0.25610E-07	459794.9	3778174.6	488.9	3.70	2.33	2.89	YES	
L0008386	0	0.25610E-07	459794.9	3778179.6	489.0	3.70	2.33	2.89	YES	
L0008387	0	0.25610E-07	459794.9	3778184.6	489.1	3.70	2.33	2.89	YES	
L0008388	0	0.25610E-07	459795.0	3778189.6	489.2	3.70	2.33	2.89	YES	
L0008389	0	0.25610E-07	459795.0	3778194.6	489.3	3.70	2.33	2.89	YES	
L0008390	0	0.25610E-07	459795.0	3778199.6	489.4	3.70	2.33	2.89	YES	
L0008391	0	0.25610E-07	459795.0	3778204.6	489.5	3.70	2.33	2.89	YES	
L0008392	0	0.25610E-07	459795.1	3778209.6	489.6	3.70	2.33	2.89	YES	
L0008393	0	0.25610E-07	459795.1	3778214.6	489.7	3.70	2.33	2.89	YES	
L0008394	0	0.25610E-07	459795.1	3778219.6	489.9	3.70	2.33	2.89	YES	
L0008395	0	0.25610E-07	459795.1	3778224.6	490.0	3.70	2.33	2.89	YES	
L0008396	0	0.25610E-07	459795.2	3778229.6	490.1	3.70	2.33	2.89	YES	
L0008397	0	0.25610E-07	459795.2	3778234.6	490.2	3.70	2.33	2.89	YES	

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 L0008398         0   0.25610E-07  459795.2 3778239.6   490.3     3.70     2.33
2.89     YES
 L0008399         0   0.25610E-07  459795.2 3778244.6   490.4     3.70     2.33
2.89     YES
 L0008400         0   0.25610E-07  459795.3 3778249.6   490.5     3.70     2.33
2.89     YES
 L0008401         0   0.25610E-07  459795.3 3778254.6   490.7     3.70     2.33
2.89     YES
 L0008402         0   0.25610E-07  459795.3 3778259.6   490.8     3.70     2.33
2.89     YES
 L0008403         0   0.25610E-07  459795.3 3778264.6   490.9     3.70     2.33
2.89     YES
 L0008404         0   0.25610E-07  459795.4 3778269.6   491.0     3.70     2.33
2.89     YES
 L0008405         0   0.25610E-07  459795.4 3778274.6   491.1     3.70     2.33
2.89     YES
 L0008406         0   0.25610E-07  459795.4 3778279.6   491.3     3.70     2.33
2.89     YES
 L0008407         0   0.25610E-07  459795.4 3778284.6   491.4     3.70     2.33
2.89     YES
 L0008408         0   0.25610E-07  459795.5 3778289.6   491.5     3.70     2.33
2.89     YES
 L0008409         0   0.25610E-07  459795.5 3778294.6   491.6     3.70     2.33
2.89     YES
 L0008410         0   0.25610E-07  459795.5 3778299.6   491.8     3.70     2.33
2.89     YES
 L0008411         0   0.25610E-07  459795.5 3778304.6   491.9     3.70     2.33
2.89     YES
 L0008412         0   0.25610E-07  459795.6 3778309.6   492.0     3.70     2.33
2.89     YES
 L0008413         0   0.25610E-07  459795.6 3778314.6   492.2     3.70     2.33
2.89     YES
 L0008414         0   0.25610E-07  459795.6 3778319.6   492.3     3.70     2.33
2.89     YES
 L0008415         0   0.25610E-07  459795.6 3778324.6   492.5     3.70     2.33
2.89     YES
 L0008416         0   0.25610E-07  459795.7 3778329.6   492.6     3.70     2.33
2.89     YES
 L0008417         0   0.25610E-07  459795.7 3778334.6   492.7     3.70     2.33
2.89     YES
 L0008418         0   0.25610E-07  459795.7 3778339.6   492.9     3.70     2.33
2.89     YES
 L0008419         0   0.25610E-07  459795.7 3778344.6   493.0     3.70     2.33
2.89     YES
 L0008420         0   0.25610E-07  459795.8 3778349.6   493.2     3.70     2.33
2.89     YES
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0008421	0	0.25610E-07	459795.8	3778354.6	493.3	3.70	2.33	2.89	YES	
L0008422	0	0.25610E-07	459795.8	3778359.6	493.5	3.70	2.33	2.89	YES	
L0008423	0	0.25610E-07	459795.8	3778364.6	493.6	3.70	2.33	2.89	YES	
L0008424	0	0.25610E-07	459795.9	3778369.6	493.8	3.70	2.33	2.89	YES	
L0008425	0	0.25610E-07	459795.9	3778374.6	493.9	3.70	2.33	2.89	YES	
L0008426	0	0.25610E-07	459795.9	3778379.6	494.1	3.70	2.33	2.89	YES	
L0008427	0	0.25610E-07	459795.9	3778384.6	494.2	3.70	2.33	2.89	YES	
L0008428	0	0.25610E-07	459796.0	3778389.6	494.3	3.70	2.33	2.89	YES	
L0008429	0	0.25610E-07	459796.0	3778394.6	494.4	3.70	2.33	2.89	YES	
L0008430	0	0.25610E-07	459796.0	3778399.6	494.6	3.70	2.33	2.89	YES	
L0008431	0	0.25610E-07	459796.0	3778404.6	494.7	3.70	2.33	2.89	YES	
L0008432	0	0.25610E-07	459796.1	3778409.6	494.8	3.70	2.33	2.89	YES	
L0008433	0	0.25610E-07	459796.1	3778414.6	494.9	3.70	2.33	2.89	YES	
L0008434	0	0.25610E-07	459796.1	3778419.6	495.1	3.70	2.33	2.89	YES	
L0008435	0	0.25610E-07	459796.1	3778424.6	495.2	3.70	2.33	2.89	YES	

L0008436	0	0.25610E-07	459796.2	3778429.6	495.3	3.70	2.33	2.89	YES
L0008437	0	0.25610E-07	459796.2	3778434.6	495.4	3.70	2.33	2.89	YES
L0008438	0	0.25610E-07	459796.2	3778439.6	495.6	3.70	2.33	2.89	YES
L0008439	0	0.25610E-07	459796.2	3778444.6	495.7	3.70	2.33	2.89	YES
L0008440	0	0.25610E-07	459796.3	3778449.6	495.9	3.70	2.33	2.89	YES
L0008441	0	0.25610E-07	459796.3	3778454.6	496.0	3.70	2.33	2.89	YES
L0008442	0	0.25610E-07	459796.3	3778459.6	496.2	3.70	2.33	2.89	YES
L0008443	0	0.25610E-07	459796.4	3778464.6	496.3	3.70	2.33	2.89	YES
L0008444	0	0.25610E-07	459796.4	3778469.6	496.4	3.70	2.33	2.89	YES
L0008445	0	0.25610E-07	459796.4	3778474.6	496.5	3.70	2.33	2.89	YES
L0008446	0	0.25610E-07	459796.4	3778479.6	496.6	3.70	2.33	2.89	YES
L0008447	0	0.25610E-07	459796.5	3778484.6	496.8	3.70	2.33	2.89	YES
L0008448	0	0.25610E-07	459796.5	3778489.6	496.9	3.70	2.33	2.89	YES
L0008449	0	0.25610E-07	459796.5	3778494.6	497.0	3.70	2.33	2.89	YES
L0008450	0	0.25610E-07	459796.5	3778499.6	497.2	3.70	2.33	2.89	YES
L0008451	0	0.25610E-07	459796.6	3778504.6	497.3	3.70	2.33	2.89	YES
L0008452	0	0.25610E-07	459796.6	3778509.6	497.5	3.70	2.33	2.89	YES
L0008453	0	0.25610E-07	459796.6	3778514.6	497.6	3.70	2.33	2.89	YES
L0008454	0	0.25610E-07	459796.6	3778519.6	497.8	3.70	2.33	2.89	YES
L0008455	0	0.25610E-07	459796.7	3778524.6	497.9	3.70	2.33	2.89	YES
L0008456	0	0.25610E-07	459796.7	3778529.6	498.1	3.70	2.33	2.89	YES
L0008457	0	0.25610E-07	459796.7	3778534.6	498.2	3.70	2.33	2.89	YES
L0008458	0	0.25610E-07	459796.7	3778539.6	498.4	3.70	2.33	2.89	YES
L0008459	0	0.25610E-07	459796.8	3778544.6	498.5	3.70	2.33	2.89	YES

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 L0008460         0   0.25610E-07  459796.8 3778549.6   498.7     3.70     2.33
2.89     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0008461         0   0.25610E-07  459796.8 3778554.6   498.8     3.70     2.33
2.89     YES
 L0008462         0   0.25610E-07  459796.8 3778559.6   499.0     3.70     2.33
2.89     YES
 L0008463         0   0.25610E-07  459796.9 3778564.6   499.1     3.70     2.33
2.89     YES
 L0008464         0   0.25610E-07  459796.9 3778569.6   499.2     3.70     2.33
2.89     YES
 L0008465         0   0.25610E-07  459796.9 3778574.6   499.4     3.70     2.33
2.89     YES
 L0008466         0   0.25610E-07  459796.9 3778579.6   499.5     3.70     2.33
2.89     YES
 L0008467         0   0.25610E-07  459797.0 3778584.6   499.7     3.70     2.33
2.89     YES
 L0008468         0   0.25610E-07  459797.0 3778589.6   499.8     3.70     2.33
2.89     YES
 L0008469         0   0.25610E-07  459797.0 3778594.6   499.9     3.70     2.33
2.89     YES
 L0008470         0   0.25610E-07  459797.0 3778599.6   500.1     3.70     2.33
2.89     YES
 L0008471         0   0.25610E-07  459797.1 3778604.6   500.2     3.70     2.33
2.89     YES
 L0008472         0   0.25610E-07  459797.1 3778609.6   500.4     3.70     2.33
2.89     YES
 L0008473         0   0.25610E-07  459797.1 3778614.6   500.5     3.70     2.33
2.89     YES
```

L0008474	0	0.25610E-07	459797.1	3778619.6	500.7	3.70	2.33	2.89	YES
L0008475	0	0.25610E-07	459797.2	3778624.6	500.8	3.70	2.33	2.89	YES
L0008476	0	0.25610E-07	459797.2	3778629.6	500.9	3.70	2.33	2.89	YES
L0008477	0	0.25610E-07	459797.2	3778634.6	501.0	3.70	2.33	2.89	YES
L0008478	0	0.25610E-07	459797.2	3778639.6	501.2	3.70	2.33	2.89	YES
L0008479	0	0.25610E-07	459797.3	3778644.6	501.3	3.70	2.33	2.89	YES
L0008480	0	0.25610E-07	459797.3	3778649.6	501.4	3.70	2.33	2.89	YES
L0008481	0	0.25610E-07	459797.3	3778654.6	501.5	3.70	2.33	2.89	YES
L0008482	0	0.25610E-07	459797.3	3778659.6	501.6	3.70	2.33	2.89	YES
L0008483	0	0.25610E-07	459797.4	3778664.6	501.7	3.70	2.33	2.89	YES
L0008484	0	0.25610E-07	459797.4	3778669.6	501.9	3.70	2.33	2.89	YES
L0008485	0	0.25610E-07	459797.4	3778674.6	502.0	3.70	2.33	2.89	YES
L0008486	0	0.25610E-07	459797.4	3778679.6	502.1	3.70	2.33	2.89	YES
L0008487	0	0.25610E-07	459797.5	3778684.6	502.2	3.70	2.33	2.89	YES
L0008488	0	0.25610E-07	459797.5	3778689.6	502.4	3.70	2.33	2.89	YES
L0008489	0	0.25610E-07	459797.5	3778694.6	502.5	3.70	2.33	2.89	YES
L0008490	0	0.25610E-07	459797.5	3778699.6	502.7	3.70	2.33	2.89	YES
L0008491	0	0.25610E-07	459797.6	3778704.6	502.8	3.70	2.33	2.89	YES
L0008492	0	0.25610E-07	459797.6	3778709.6	502.9	3.70	2.33	2.89	YES
L0008493	0	0.25610E-07	459797.6	3778714.6	503.1	3.70	2.33	2.89	YES
L0008494	0	0.25610E-07	459797.7	3778719.6	503.2	3.70	2.33	2.89	YES
L0008495	0	0.25610E-07	459797.7	3778724.6	503.4	3.70	2.33	2.89	YES
L0008496	0	0.25610E-07	459797.7	3778729.6	503.5	3.70	2.33	2.89	YES
L0008497	0	0.25610E-07	459797.7	3778734.6	503.7	3.70	2.33	2.89	YES

```
 L0008498         0   0.25610E-07  459797.8 3778739.6   503.8     3.70     2.33
2.89     YES
 L0008499         0   0.25610E-07  459797.8 3778744.6   503.9     3.70     2.33
2.89     YES
 L0008500         0   0.25610E-07  459797.8 3778749.6   504.1     3.70     2.33
2.89     YES
```



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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0008501         0   0.25610E-07  459797.8 3778754.6   504.2     3.70     2.33
2.89     YES
 L0008502         0   0.25610E-07  459797.9 3778759.6   504.3     3.70     2.33
2.89     YES
 L0008503         0   0.25610E-07  459797.9 3778764.6   504.4     3.70     2.33
2.89     YES
 L0008504         0   0.25610E-07  459797.9 3778769.6   504.6     3.70     2.33
2.89     YES
 L0008505         0   0.25610E-07  459797.9 3778774.6   504.7     3.70     2.33
2.89     YES
 L0008506         0   0.25610E-07  459798.0 3778779.6   504.8     3.70     2.33
2.89     YES
 L0008507         0   0.25610E-07  459798.0 3778784.6   504.9     3.70     2.33
2.89     YES
 L0008508         0   0.25610E-07  459798.0 3778789.6   505.1     3.70     2.33
2.89     YES
 L0008509         0   0.25610E-07  459798.0 3778794.6   505.2     3.70     2.33
2.89     YES
 L0008510         0   0.25610E-07  459798.1 3778799.6   505.3     3.70     2.33
2.89     YES
 L0008511         0   0.25610E-07  459798.1 3778804.6   505.4     3.70     2.33
2.89     YES
```

L0008512	0	0.25610E-07	459798.1	3778809.6	505.6	3.70	2.33	2.89	YES
L0008513	0	0.25610E-07	459798.1	3778814.6	505.7	3.70	2.33	2.89	YES
L0008514	0	0.25610E-07	459798.2	3778819.6	505.8	3.70	2.33	2.89	YES
L0008515	0	0.25610E-07	459798.2	3778824.6	506.0	3.70	2.33	2.89	YES
L0008516	0	0.25610E-07	459798.2	3778829.6	506.1	3.70	2.33	2.89	YES
L0008517	0	0.25610E-07	459798.2	3778834.6	506.2	3.70	2.33	2.89	YES
L0008518	0	0.25610E-07	459798.3	3778839.6	506.4	3.70	2.33	2.89	YES
L0008519	0	0.25610E-07	459798.3	3778844.6	506.5	3.70	2.33	2.89	YES
L0008520	0	0.25610E-07	459798.3	3778849.6	506.6	3.70	2.33	2.89	YES
L0008521	0	0.25610E-07	459798.3	3778854.6	506.8	3.70	2.33	2.89	YES
L0008522	0	0.25610E-07	459798.4	3778859.6	506.9	3.70	2.33	2.89	YES
L0008523	0	0.25610E-07	459798.4	3778864.6	507.0	3.70	2.33	2.89	YES
L0008524	0	0.25610E-07	459798.4	3778869.6	507.2	3.70	2.33	2.89	YES
L0008525	0	0.25610E-07	459798.4	3778874.6	507.3	3.70	2.33	2.89	YES
L0008526	0	0.25610E-07	459798.5	3778879.6	507.4	3.70	2.33	2.89	YES
L0008527	0	0.25610E-07	459798.5	3778884.6	507.6	3.70	2.33	2.89	YES
L0008528	0	0.25610E-07	459798.5	3778889.6	507.7	3.70	2.33	2.89	YES
L0008529	0	0.25610E-07	459798.5	3778894.6	507.8	3.70	2.33	2.89	YES
L0008530	0	0.25610E-07	459798.6	3778899.6	507.9	3.70	2.33	2.89	YES
L0008531	0	0.25610E-07	459798.6	3778904.6	508.0	3.70	2.33	2.89	YES
L0008532	0	0.25610E-07	459798.6	3778909.6	508.1	3.70	2.33	2.89	YES
L0008533	0	0.25610E-07	459798.6	3778914.6	508.2	3.70	2.33	2.89	YES
L0008534	0	0.25610E-07	459798.7	3778919.6	508.4	3.70	2.33	2.89	YES
L0008535	0	0.25610E-07	459798.7	3778924.6	508.5	3.70	2.33	2.89	YES

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 L0008536         0   0.25610E-07  459798.7 3778929.6   508.6     3.70     2.33
2.89     YES
 L0008537         0   0.25610E-07  459798.7 3778934.6   508.8     3.70     2.33
2.89     YES
 L0008538         0   0.25610E-07  459798.7 3778939.6   508.9     3.70     2.33
2.89     YES
 L0008539         0   0.25610E-07  459798.7 3778944.6   509.0     3.70     2.33
2.89     YES
 L0008540         0   0.25610E-07  459798.7 3778949.6   509.2     3.70     2.33
2.89     YES
```



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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008541         0   0.25610E-07  459798.6 3778954.6   509.3     3.70     2.33
2.89     YES
 L0008542         0   0.25610E-07  459798.6 3778959.6   509.4     3.70     2.33
2.89     YES
 L0008543         0   0.25610E-07  459798.6 3778964.6   509.6     3.70     2.33
2.89     YES
 L0008544         0   0.25610E-07  459798.6 3778969.6   509.7     3.70     2.33
2.89     YES
 L0008545         0   0.25610E-07  459798.6 3778974.6   509.9     3.70     2.33
2.89     YES
 L0008546         0   0.25610E-07  459798.6 3778979.6   510.0     3.70     2.33
2.89     YES
 L0008547         0   0.25610E-07  459798.6 3778984.6   510.2     3.70     2.33
2.89     YES
 L0008548         0   0.25610E-07  459798.6 3778989.6   510.3     3.70     2.33
2.89     YES
 L0008549         0   0.25610E-07  459798.6 3778994.6   510.4     3.70     2.33
2.89     YES
```

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 L0008550         0   0.25610E-07  459798.6 3778999.6   510.6     3.70     2.33
2.89     YES
 L0008551         0   0.25610E-07  459798.6 3779004.6   510.7     3.70     2.33
2.89     YES
 L0008552         0   0.25610E-07  459798.6 3779009.6   510.9     3.70     2.33
2.89     YES
 L0008553         0   0.25610E-07  459798.6 3779014.6   511.0     3.70     2.33
2.89     YES
 L0008554         0   0.25610E-07  459798.6 3779019.6   511.2     3.70     2.33
2.89     YES
 L0008555         0   0.25610E-07  459798.6 3779024.6   511.3     3.70     2.33
2.89     YES
 L0008556         0   0.25610E-07  459798.6 3779029.6   511.4     3.70     2.33
2.89     YES
 L0008557         0   0.25610E-07  459798.6 3779034.6   511.6     3.70     2.33
2.89     YES
 L0008558         0   0.25610E-07  459798.6 3779039.6   511.7     3.70     2.33
2.89     YES
 L0008559         0   0.25610E-07  459798.6 3779044.6   511.9     3.70     2.33
2.89     YES
 L0008560         0   0.25610E-07  459798.6 3779049.6   512.0     3.70     2.33
2.89     YES
 L0008561         0   0.25610E-07  459798.6 3779054.6   512.2     3.70     2.33
2.89     YES
 L0008562         0   0.25610E-07  459798.6 3779059.6   512.3     3.70     2.33
2.89     YES
 L0008563         0   0.25610E-07  459798.6 3779064.6   512.5     3.70     2.33
2.89     YES
 L0008564         0   0.25610E-07  459798.6 3779069.6   512.6     3.70     2.33
2.89     YES
 L0008565         0   0.25610E-07  459798.6 3779074.6   512.8     3.70     2.33
2.89     YES
 L0008566         0   0.25610E-07  459798.6 3779079.6   512.9     3.70     2.33
2.89     YES
 L0008567         0   0.25610E-07  459798.6 3779084.6   513.1     3.70     2.33
2.89     YES
 L0008568         0   0.25610E-07  459798.6 3779089.6   513.2     3.70     2.33
2.89     YES
 L0008569         0   0.25610E-07  459798.6 3779094.6   513.3     3.70     2.33
2.89     YES
 L0008570         0   0.25610E-07  459798.6 3779099.6   513.4     3.70     2.33
2.89     YES
 L0008571         0   0.25610E-07  459798.6 3779104.6   513.6     3.70     2.33
2.89     YES
 L0008572         0   0.25610E-07  459798.6 3779109.6   513.7     3.70     2.33
2.89     YES
 L0008573         0   0.25610E-07  459798.6 3779114.6   513.8     3.70     2.33
2.89     YES
```

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 L0008574         0   0.25610E-07  459798.6 3779119.6   513.9     3.70     2.33
2.89     YES
 L0008575         0   0.25610E-07  459798.6 3779124.6   514.0     3.70     2.33
2.89     YES
 L0008576         0   0.25610E-07  459798.6 3779129.6   514.1     3.70     2.33
2.89     YES
 L0008577         0   0.25610E-07  459798.6 3779134.6   514.2     3.70     2.33
2.89     YES
 L0008578         0   0.25610E-07  459798.6 3779139.6   514.3     3.70     2.33
2.89     YES
 L0008579         0   0.25610E-07  459798.6 3779144.6   514.4     3.70     2.33
2.89     YES
 L0008580         0   0.25610E-07  459798.6 3779149.6   514.6     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:11:17

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008581         0   0.25610E-07  459798.6 3779154.6   514.7     3.70     2.33
2.89     YES
 L0008582         0   0.25610E-07  459798.6 3779159.6   514.8     3.70     2.33
2.89     YES
 L0008583         0   0.25610E-07  459798.6 3779164.6   514.9     3.70     2.33
2.89     YES
 L0008584         0   0.25610E-07  459798.6 3779169.6   515.0     3.70     2.33
2.89     YES
 L0008585         0   0.25610E-07  459798.6 3779174.6   515.2     3.70     2.33
2.89     YES
 L0008586         0   0.25610E-07  459798.6 3779179.6   515.3     3.70     2.33
2.89     YES
 L0008587         0   0.25610E-07  459798.6 3779184.6   515.4     3.70     2.33
2.89     YES
```

L0008588	0	0.25610E-07	459798.6	3779189.6	515.5	3.70	2.33	2.89	YES
L0008589	0	0.25610E-07	459798.6	3779194.6	515.7	3.70	2.33	2.89	YES
L0008590	0	0.25610E-07	459798.6	3779199.6	515.8	3.70	2.33	2.89	YES
L0008591	0	0.25610E-07	459798.5	3779204.6	515.9	3.70	2.33	2.89	YES
L0008592	0	0.25610E-07	459798.5	3779209.6	516.1	3.70	2.33	2.89	YES
L0008593	0	0.25610E-07	459798.5	3779214.6	516.2	3.70	2.33	2.89	YES
L0008594	0	0.25610E-07	459798.5	3779219.6	516.3	3.70	2.33	2.89	YES
L0008595	0	0.25610E-07	459798.5	3779224.6	516.4	3.70	2.33	2.89	YES
L0008596	0	0.25610E-07	459798.5	3779229.6	516.6	3.70	2.33	2.89	YES
L0008597	0	0.25610E-07	459798.5	3779234.6	516.7	3.70	2.33	2.89	YES
L0008598	0	0.25610E-07	459798.5	3779239.6	516.8	3.70	2.33	2.89	YES
L0008599	0	0.25610E-07	459798.5	3779244.6	517.0	3.70	2.33	2.89	YES
L0008600	0	0.25610E-07	459798.5	3779249.6	517.1	3.70	2.33	2.89	YES
L0008601	0	0.25610E-07	459798.5	3779254.6	517.2	3.70	2.33	2.89	YES
L0008602	0	0.25610E-07	459798.5	3779259.6	517.3	3.70	2.33	2.89	YES
L0008603	0	0.25610E-07	459798.5	3779264.6	517.5	3.70	2.33	2.89	YES
L0008604	0	0.25610E-07	459798.5	3779269.6	517.6	3.70	2.33	2.89	YES
L0008605	0	0.25610E-07	459798.5	3779274.6	517.8	3.70	2.33	2.89	YES
L0008606	0	0.25610E-07	459798.5	3779279.6	517.9	3.70	2.33	2.89	YES
L0008607	0	0.25610E-07	459798.5	3779284.6	518.0	3.70	2.33	2.89	YES
L0008608	0	0.25610E-07	459798.5	3779289.6	518.2	3.70	2.33	2.89	YES
L0008609	0	0.25610E-07	459798.5	3779294.6	518.3	3.70	2.33	2.89	YES
L0008610	0	0.25610E-07	459798.5	3779299.6	518.5	3.70	2.33	2.89	YES
L0008611	0	0.25610E-07	459798.5	3779304.6	518.6	3.70	2.33	2.89	YES

```
 L0008612         0   0.25610E-07  459798.5 3779309.6   518.8     3.70     2.33
2.89     YES
 L0008613         0   0.25610E-07  459798.5 3779314.6   519.0     3.70     2.33
2.89     YES
 L0008614         0   0.25610E-07  459798.5 3779319.6   519.1     3.70     2.33
2.89     YES
 L0008615         0   0.25610E-07  459798.5 3779324.6   519.3     3.70     2.33
2.89     YES
 L0008616         0   0.25610E-07  459798.5 3779329.6   519.4     3.70     2.33
2.89     YES
 L0008617         0   0.25610E-07  459798.5 3779334.6   519.5     3.70     2.33
2.89     YES
 L0008618         0   0.25610E-07  459798.5 3779339.6   519.7     3.70     2.33
2.89     YES
 L0008619         0   0.25610E-07  459798.5 3779344.6   519.8     3.70     2.33
2.89     YES
 L0008620         0   0.25610E-07  459798.5 3779349.6   520.0     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008621         0   0.25610E-07  459798.5 3779354.6   520.1     3.70     2.33
2.89     YES
 L0008622         0   0.25610E-07  459798.5 3779359.6   520.2     3.70     2.33
2.89     YES
 L0008623         0   0.25610E-07  459798.5 3779364.6   520.3     3.70     2.33
2.89     YES
 L0008624         0   0.25610E-07  459798.5 3779369.6   520.4     3.70     2.33
2.89     YES
 L0008625         0   0.25610E-07  459798.5 3779374.6   520.5     3.70     2.33
2.89     YES
```

L0008626	0	0.25610E-07	459798.5	3779379.6	520.7	3.70	2.33	2.89	YES
L0008627	0	0.25610E-07	459798.5	3779384.6	520.8	3.70	2.33	2.89	YES
L0008628	0	0.25610E-07	459798.5	3779389.6	520.9	3.70	2.33	2.89	YES
L0008629	0	0.25610E-07	459798.5	3779394.6	521.0	3.70	2.33	2.89	YES
L0008630	0	0.25610E-07	459798.5	3779399.6	521.2	3.70	2.33	2.89	YES
L0008631	0	0.25610E-07	459798.5	3779404.6	521.3	3.70	2.33	2.89	YES
L0008632	0	0.25610E-07	459798.5	3779409.6	521.4	3.70	2.33	2.89	YES
L0008633	0	0.25610E-07	459798.5	3779414.6	521.6	3.70	2.33	2.89	YES
L0008634	0	0.25610E-07	459798.5	3779419.6	521.7	3.70	2.33	2.89	YES
L0008635	0	0.25610E-07	459798.5	3779424.6	521.8	3.70	2.33	2.89	YES
L0008636	0	0.25610E-07	459798.5	3779429.6	522.0	3.70	2.33	2.89	YES
L0008637	0	0.25610E-07	459798.5	3779434.6	522.1	3.70	2.33	2.89	YES
L0008638	0	0.25610E-07	459798.5	3779439.6	522.3	3.70	2.33	2.89	YES
L0008639	0	0.25610E-07	459798.5	3779444.6	522.4	3.70	2.33	2.89	YES
L0008640	0	0.25610E-07	459798.5	3779449.6	522.5	3.70	2.33	2.89	YES
L0008641	0	0.25610E-07	459798.4	3779454.6	522.7	3.70	2.33	2.89	YES
L0008642	0	0.25610E-07	459798.4	3779459.6	522.8	3.70	2.33	2.89	YES
L0008643	0	0.25610E-07	459798.4	3779464.6	523.0	3.70	2.33	2.89	YES
L0008644	0	0.25610E-07	459798.4	3779469.6	523.1	3.70	2.33	2.89	YES
L0008645	0	0.25610E-07	459798.4	3779474.6	523.3	3.70	2.33	2.89	YES
L0008646	0	0.25610E-07	459798.4	3779479.6	523.4	3.70	2.33	2.89	YES
L0008647	0	0.25610E-07	459798.4	3779484.6	523.5	3.70	2.33	2.89	YES
L0008648	0	0.25610E-07	459798.4	3779489.6	523.7	3.70	2.33	2.89	YES
L0008649	0	0.25610E-07	459798.4	3779494.6	523.8	3.70	2.33	2.89	YES

```
 L0008650         0   0.25610E-07  459798.4 3779499.6   524.0     3.70     2.33
2.89     YES
 L0008651         0   0.25610E-07  459798.4 3779504.6   524.1     3.70     2.33
2.89     YES
 L0008652         0   0.25610E-07  459798.4 3779509.6   524.2     3.70     2.33
2.89     YES
 L0008653         0   0.25610E-07  459798.4 3779514.6   524.4     3.70     2.33
2.89     YES
 L0008654         0   0.25610E-07  459798.4 3779519.6   524.5     3.70     2.33
2.89     YES
 L0008655         0   0.25610E-07  459798.4 3779524.6   524.7     3.70     2.33
2.89     YES
 L0008656         0   0.25610E-07  459798.4 3779529.6   524.8     3.70     2.33
2.89     YES
 L0008657         0   0.25610E-07  459798.4 3779534.6   524.9     3.70     2.33
2.89     YES
 L0008658         0   0.25610E-07  459798.4 3779539.6   525.1     3.70     2.33
2.89     YES
 L0008659         0   0.25610E-07  459798.4 3779544.6   525.2     3.70     2.33
2.89     YES
 L0008660         0   0.25610E-07  459798.4 3779549.6   525.4     3.70     2.33
2.89     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:11:17

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0008661         0   0.25610E-07  459798.4 3779554.6   525.5     3.70     2.33
2.89     YES
 L0008662         0   0.25610E-07  459798.4 3779559.6   525.7     3.70     2.33
2.89     YES
 L0008663         0   0.25610E-07  459798.4 3779564.6   525.8     3.70     2.33
2.89     YES
```

L0008664	0	0.25610E-07	459798.4	3779569.6	526.0	3.70	2.33	2.89	YES
L0008665	0	0.25610E-07	459798.4	3779574.6	526.1	3.70	2.33	2.89	YES
L0008666	0	0.25610E-07	459798.4	3779579.6	526.2	3.70	2.33	2.89	YES
L0008667	0	0.25610E-07	459798.4	3779584.6	526.4	3.70	2.33	2.89	YES
L0008668	0	0.25610E-07	459798.4	3779589.6	526.5	3.70	2.33	2.89	YES
L0008669	0	0.25610E-07	459798.4	3779594.6	526.7	3.70	2.33	2.89	YES
L0008670	0	0.25610E-07	459798.4	3779599.6	526.8	3.70	2.33	2.89	YES
L0008671	0	0.25610E-07	459798.4	3779604.6	527.0	3.70	2.33	2.89	YES
L0008672	0	0.25610E-07	459798.4	3779609.6	527.1	3.70	2.33	2.89	YES
L0008673	0	0.25610E-07	459798.4	3779614.6	527.3	3.70	2.33	2.89	YES
L0008674	0	0.25610E-07	459798.4	3779619.6	527.4	3.70	2.33	2.89	YES
L0008675	0	0.25610E-07	459798.4	3779624.6	527.6	3.70	2.33	2.89	YES
L0008676	0	0.25610E-07	459798.4	3779629.6	527.7	3.70	2.33	2.89	YES
L0008677	0	0.25610E-07	459798.4	3779634.6	527.9	3.70	2.33	2.89	YES
L0008678	0	0.25610E-07	459798.4	3779639.6	528.0	3.70	2.33	2.89	YES
L0008679	0	0.25610E-07	459798.4	3779644.6	528.2	3.70	2.33	2.89	YES
L0008680	0	0.25610E-07	459798.4	3779649.6	528.4	3.70	2.33	2.89	YES
L0008681	0	0.25610E-07	459798.4	3779654.6	528.5	3.70	2.33	2.89	YES
L0008682	0	0.25610E-07	459798.4	3779659.6	528.7	3.70	2.33	2.89	YES
L0008683	0	0.25610E-07	459798.4	3779664.6	528.8	3.70	2.33	2.89	YES
L0008684	0	0.25610E-07	459798.4	3779669.6	529.0	3.70	2.33	2.89	YES
L0008685	0	0.25610E-07	459798.4	3779674.6	529.2	3.70	2.33	2.89	YES
L0008686	0	0.25610E-07	459798.4	3779679.6	529.3	3.70	2.33	2.89	YES
L0008687	0	0.25610E-07	459798.4	3779684.6	529.5	3.70	2.33	2.89	YES

```
 L0008688         0   0.25610E-07  459798.4 3779689.6   529.7     3.70     2.33
2.89     YES
 L0008689         0   0.25610E-07  459798.4 3779694.6   529.8     3.70     2.33
2.89     YES
 L0008690         0   0.25610E-07  459798.4 3779699.6   530.0     3.70     2.33
2.89     YES
 L0008691         0   0.25610E-07  459798.3 3779704.6   530.2     3.70     2.33
2.89     YES
 L0008692         0   0.25610E-07  459798.3 3779709.6   530.3     3.70     2.33
2.89     YES
 L0008693         0   0.25610E-07  459798.3 3779714.6   530.5     3.70     2.33
2.89     YES
 L0008694         0   0.25610E-07  459798.3 3779719.6   530.6     3.70     2.33
2.89     YES
 L0008695         0   0.25610E-07  459798.3 3779724.6   530.8     3.70     2.33
2.89     YES
 L0008696         0   0.25610E-07  459798.3 3779729.6   530.9     3.70     2.33
2.89     YES
 L0008697         0   0.25610E-07  459798.3 3779734.6   531.1     3.70     2.33
2.89     YES
 L0008698         0   0.25610E-07  459798.3 3779739.6   531.2     3.70     2.33
2.89     YES
 L0009525         0   0.50182E-04  459902.4 3779835.0   533.8     3.06    13.95
2.85     YES
 L0009526         0   0.50182E-04  459902.2 3779865.0   534.8     3.06    13.95
2.85     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0009527         0   0.50182E-04  459903.6 3779893.4   535.7     3.06    13.95
2.85     YES
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L0009528	0	0.50182E-04	459933.5	3779890.9	535.5	3.06	13.95	2.85	YES
L0009529	0	0.50182E-04	459963.3	3779888.4	535.4	3.06	13.95	2.85	YES
L0009530	0	0.50182E-04	459993.2	3779885.9	535.2	3.06	13.95	2.85	YES
L0009531	0	0.50182E-04	459997.1	3779859.0	534.4	3.06	13.95	2.85	YES
L0009532	0	0.50182E-04	459997.6	3779829.0	533.6	3.06	13.95	2.85	YES
L0009533	0	0.50182E-04	459995.7	3779801.4	532.8	3.06	13.95	2.85	YES
L0009534	0	0.50182E-04	459965.7	3779801.5	532.9	3.06	13.95	2.85	YES
L0009535	0	0.50182E-04	459935.7	3779801.5	532.9	3.06	13.95	2.85	YES
L0009536	0	0.50182E-04	459905.7	3779801.6	532.8	3.06	13.95	2.85	YES
L0009537	0	0.50182E-04	459875.7	3779801.6	532.8	3.06	13.95	2.85	YES
L0009538	0	0.50182E-04	459872.3	3779829.2	533.5	3.06	13.95	2.85	YES
L0009539	0	0.50182E-04	459871.3	3779859.2	534.4	3.06	13.95	2.85	YES
L0009540	0	0.50182E-04	459870.3	3779889.1	535.4	3.06	13.95	2.85	YES
L0009541	0	0.50182E-04	459869.3	3779919.1	536.3	3.06	13.95	2.85	YES
L0009542	0	0.50182E-04	459896.8	3779920.8	536.6	3.06	13.95	2.85	YES
L0009543	0	0.50182E-04	459926.8	3779920.0	536.5	3.06	13.95	2.85	YES
L0009544	0	0.50182E-04	459956.7	3779919.2	536.4	3.06	13.95	2.85	YES
L0009545	0	0.50182E-04	459986.7	3779918.4	536.1	3.06	13.95	2.85	YES
L0009546	0	0.50182E-04	460016.7	3779917.6	535.8	3.06	13.95	2.85	YES
L0009547	0	0.50182E-04	460031.0	3779901.7	535.1	3.06	13.95	2.85	YES
L0009548	0	0.50182E-04	460030.7	3779871.7	534.1	3.06	13.95	2.85	YES
L0009549	0	0.50182E-04	460030.4	3779841.7	533.5	3.06	13.95	2.85	YES
L0009550	0	0.50182E-04	460030.1	3779811.7	532.8	3.06	13.95	2.85	YES
L0009551	0	0.50182E-04	460029.8	3779781.7	532.1	3.06	13.95	2.85	YES

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 L0009552         0   0.50182E-04  460005.3 3779776.0   532.2     3.06    13.95
2.85     YES
 L0009553         0   0.50182E-04  459975.3 3779775.7   532.3     3.06    13.95
2.85     YES
 L0009554         0   0.50182E-04  459945.3 3779775.4   532.2     3.06    13.95
2.85     YES
 L0009555         0   0.50182E-04  459915.3 3779775.1   532.1     3.06    13.95
2.85     YES
 L0009556         0   0.50182E-04  459885.3 3779774.8   532.0     3.06    13.95
2.85     YES
 L0009557         0   0.50182E-04  459857.5 3779784.6   532.4     3.06    13.95
2.85     YES
 L0009558         0   0.50182E-04  459836.2 3779801.2   532.8     3.06    13.95
2.85     YES
 L0009559         0   0.50182E-04  459836.3 3779831.2   533.6     3.06    13.95
2.85     YES
 L0009560         0   0.50182E-04  459836.4 3779861.2   534.4     3.06    13.95
2.85     YES
 L0009561         0   0.50182E-04  459836.6 3779891.2   535.3     3.06    13.95
2.85     YES
 L0009562         0   0.50182E-04  459836.7 3779921.2   536.1     3.06    13.95
2.85     YES
 L0009563         0   0.50182E-04  459836.8 3779951.2   537.0     3.06    13.95
2.85     YES
 L0009564         0   0.50182E-04  459864.0 3779953.5   537.3     3.06    13.95
2.85     YES
 L0009565         0   0.50182E-04  459894.0 3779953.0   537.5     3.06    13.95
2.85     YES
 L0009566         0   0.50182E-04  459924.0 3779952.5   537.5     3.06    13.95
2.85     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0009567         0   0.50182E-04  459954.0 3779952.1   537.6     3.06    13.95
2.85     YES
 L0009568         0   0.50182E-04  459984.0 3779951.6   537.4     3.06    13.95
2.85     YES
 L0009569         0   0.50182E-04  460013.9 3779951.2   536.8     3.06    13.95
2.85     YES
 L0009570         0   0.50182E-04  460012.7 3779981.2   537.8     3.06    13.95
2.85     YES
 L0009571         0   0.50182E-04  460035.1 3779987.1   537.6     3.06    13.95
2.85     YES
 L0009572         0   0.50182E-04  460065.0 3779985.3   537.3     3.06    13.95
2.85     YES
 L0009573         0   0.50182E-04  460066.3 3779956.3   536.6     3.06    13.95
2.85     YES
 L0009574         0   0.50182E-04  460066.5 3779926.3   535.7     3.06    13.95
2.85     YES
 L0009575         0   0.50182E-04  460066.7 3779896.3   534.9     3.06    13.95
2.85     YES
 L0009576         0   0.50182E-04  460066.9 3779866.3   533.9     3.06    13.95
2.85     YES
 L0009577         0   0.50182E-04  460067.1 3779836.3   533.0     3.06    13.95
2.85     YES
 L0009578         0   0.50182E-04  460067.3 3779806.3   532.2     3.06    13.95
2.85     YES
 L0009579         0   0.50182E-04  460067.5 3779776.3   531.6     3.06    13.95
2.85     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

                                  PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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  ALL        L0008261    , L0008262    , L0008263    , L0008264    , L0008265    ,
L0008266    , L0008267    , L0008268    ,

             L0008269    , L0008270    , L0008271    , L0008272    , L0008273    ,
L0008274    , L0008275    , L0008276    ,
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L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 ,

L0008285 , L0008286 , L0008287 , L0008288 , L0008289 ,
L0008290 , L0008291 , L0008292 ,

L0008293 , L0008294 , L0008295 , L0008296 , L0008297 ,
L0008298 , L0008299 , L0008300 ,

L0008301 , L0008302 , L0008303 , L0008304 , L0008305 ,
L0008306 , L0008307 , L0008308 ,

L0008309 , L0008310 , L0008311 , L0008312 , L0008313 ,
L0008314 , L0008315 , L0008316 ,

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L0008322 , L0008323 , L0008324 ,

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L0008397 , L0008398 , L0008399 , L0008400 , L0008401 ,
L0008402 , L0008403 , L0008404 ,

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             L0008405    , L0008406    , L0008407    , L0008408    , L0008409    ,
L0008410    , L0008411    , L0008412    ,

             L0008413    , L0008414    , L0008415    , L0008416    , L0008417    ,
L0008418    , L0008419    , L0008420    ,
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

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


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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             L0008421    , L0008422    , L0008423    , L0008424    , L0008425    ,
L0008426    , L0008427    , L0008428    ,

             L0008429    , L0008430    , L0008431    , L0008432    , L0008433    ,
L0008434    , L0008435    , L0008436    ,

             L0008437    , L0008438    , L0008439    , L0008440    , L0008441    ,
L0008442    , L0008443    , L0008444    ,

             L0008445    , L0008446    , L0008447    , L0008448    , L0008449    ,
L0008450    , L0008451    , L0008452    ,

             L0008453    , L0008454    , L0008455    , L0008456    , L0008457    ,
L0008458    , L0008459    , L0008460    ,

             L0008461    , L0008462    , L0008463    , L0008464    , L0008465    ,
L0008466    , L0008467    , L0008468    ,

             L0008469    , L0008470    , L0008471    , L0008472    , L0008473    ,
L0008474    , L0008475    , L0008476    ,

             L0008477    , L0008478    , L0008479    , L0008480    , L0008481    ,
L0008482    , L0008483    , L0008484    ,

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L0008490    , L0008491    , L0008492    ,
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             L0008493    , L0008494    , L0008495    , L0008496    , L0008497    ,
L0008498    , L0008499    , L0008500    ,

             L0008501    , L0008502    , L0008503    , L0008504    , L0008505    ,
L0008506    , L0008507    , L0008508    ,

             L0008509    , L0008510    , L0008511    , L0008512    , L0008513    ,
L0008514    , L0008515    , L0008516    ,

             L0008517    , L0008518    , L0008519    , L0008520    , L0008521    ,
L0008522    , L0008523    , L0008524    ,

             L0008525    , L0008526    , L0008527    , L0008528    , L0008529    ,
L0008530    , L0008531    , L0008532    ,

             L0008533    , L0008534    , L0008535    , L0008536    , L0008537    ,
L0008538    , L0008539    , L0008540    ,

             L0008541    , L0008542    , L0008543    , L0008544    , L0008545    ,
L0008546    , L0008547    , L0008548    ,

             L0008549    , L0008550    , L0008551    , L0008552    , L0008553    ,
L0008554    , L0008555    , L0008556    ,

             L0008557    , L0008558    , L0008559    , L0008560    , L0008561    ,
L0008562    , L0008563    , L0008564    ,

             L0008565    , L0008566    , L0008567    , L0008568    , L0008569    ,
L0008570    , L0008571    , L0008572    ,

             L0008573    , L0008574    , L0008575    , L0008576    , L0008577    ,
L0008578    , L0008579    , L0008580    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


             L0008581    , L0008582    , L0008583    , L0008584    , L0008585    ,
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L0008594 , L0008595 , L0008596 ,

L0008597 , L0008598 , L0008599 , L0008600 , L0008601 ,
L0008602 , L0008603 , L0008604 ,

L0008605 , L0008606 , L0008607 , L0008608 , L0008609 ,
L0008610 , L0008611 , L0008612 ,

L0008613 , L0008614 , L0008615 , L0008616 , L0008617 ,
L0008618 , L0008619 , L0008620 ,

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L0008626 , L0008627 , L0008628 ,

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L0008666 , L0008667 , L0008668 ,

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L0008674 , L0008675 , L0008676 ,

L0008677 , L0008678 , L0008679 , L0008680 , L0008681 ,
L0008682 , L0008683 , L0008684 ,

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L0008690 , L0008691 , L0008692 ,

L0008693 , L0008694 , L0008695 , L0008696 , L0008697 ,
L0008698 , L0009525 , L0009526 ,

L0009527 , L0009528 , L0009529 , L0009530 , L0009531 ,
L0009532 , L0009533 , L0009534 ,

L0009535 , L0009536 , L0009537 , L0009538 , L0009539 ,

L0009540 , L0009541 , L0009542 ,

L0009543 , L0009544 , L0009545 , L0009546 , L0009547 ,
L0009548 , L0009549 , L0009550 ,

L0009551 , L0009552 , L0009553 , L0009554 , L0009555 ,
L0009556 , L0009557 , L0009558 ,

L0009559 , L0009560 , L0009561 , L0009562 , L0009563 ,
L0009564 , L0009565 , L0009566 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0009572 , L0009573 , L0009574 ,

L0009575 , L0009576 , L0009577 , L0009578 , L0009579 ,

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

URBAN ID	URBAN POP	SOURCE IDs

2035210. L0008261 , L0008262 , L0008263 , L0008264 ,
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L0008268 ,

L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 ,

L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
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L0008298 , L0008299 , L0008300 ,

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L0008306 , L0008307 , L0008308 ,

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L0008314 , L0008315 , L0008316 ,

L0008317 , L0008318 , L0008319 , L0008320 , L0008321 ,
L0008322 , L0008323 , L0008324 ,

L0008325 , L0008326 , L0008327 , L0008328 , L0008329 ,
L0008330 , L0008331 , L0008332 ,

L0008333 , L0008334 , L0008335 , L0008336 , L0008337 ,
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L0008341 , L0008342 , L0008343 , L0008344 , L0008345 ,
L0008346 , L0008347 , L0008348 ,

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L0008362 , L0008363 , L0008364 ,

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L0008370 , L0008371 , L0008372 ,

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L0008378 , L0008379 , L0008380 ,

L0008381 , L0008382 , L0008383 , L0008384 , L0008385 ,
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L0008389 , L0008390 , L0008391 , L0008392 , L0008393 ,
L0008394 , L0008395 , L0008396 ,

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L0008402    , L0008403    , L0008404    ,

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L0008410    , L0008411    , L0008412    ,

             L0008413    , L0008414    , L0008415    , L0008416    , L0008417    ,
L0008418    , L0008419    , L0008420    ,
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

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


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

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


             L0008421    , L0008422    , L0008423    , L0008424    , L0008425    ,
L0008426    , L0008427    , L0008428    ,

             L0008429    , L0008430    , L0008431    , L0008432    , L0008433    ,
L0008434    , L0008435    , L0008436    ,

             L0008437    , L0008438    , L0008439    , L0008440    , L0008441    ,
L0008442    , L0008443    , L0008444    ,

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L0008450    , L0008451    , L0008452    ,

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L0008458    , L0008459    , L0008460    ,

             L0008461    , L0008462    , L0008463    , L0008464    , L0008465    ,
L0008466    , L0008467    , L0008468    ,

             L0008469    , L0008470    , L0008471    , L0008472    , L0008473    ,
L0008474    , L0008475    , L0008476    ,

             L0008477    , L0008478    , L0008479    , L0008480    , L0008481    ,
L0008482    , L0008483    , L0008484    ,
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L0008490    , L0008491    , L0008492    ,

             L0008493    , L0008494    , L0008495    , L0008496    , L0008497    ,
L0008498    , L0008499    , L0008500    ,

             L0008501    , L0008502    , L0008503    , L0008504    , L0008505    ,
L0008506    , L0008507    , L0008508    ,

             L0008509    , L0008510    , L0008511    , L0008512    , L0008513    ,
L0008514    , L0008515    , L0008516    ,

             L0008517    , L0008518    , L0008519    , L0008520    , L0008521    ,
L0008522    , L0008523    , L0008524    ,

             L0008525    , L0008526    , L0008527    , L0008528    , L0008529    ,
L0008530    , L0008531    , L0008532    ,

             L0008533    , L0008534    , L0008535    , L0008536    , L0008537    ,
L0008538    , L0008539    , L0008540    ,

             L0008541    , L0008542    , L0008543    , L0008544    , L0008545    ,
L0008546    , L0008547    , L0008548    ,

             L0008549    , L0008550    , L0008551    , L0008552    , L0008553    ,
L0008554    , L0008555    , L0008556    ,

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L0008562    , L0008563    , L0008564    ,

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L0008570    , L0008571    , L0008572    ,

             L0008573    , L0008574    , L0008575    , L0008576    , L0008577    ,
L0008578    , L0008579    , L0008580    ,
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

URBAN ID	URBAN POP	SOURCE IDs
		L0008581 , L0008582 , L0008583 , L0008584 , L0008585 , L0008586 , L0008587 , L0008588 ,
		L0008589 , L0008590 , L0008591 , L0008592 , L0008593 , L0008594 , L0008595 , L0008596 ,
		L0008597 , L0008598 , L0008599 , L0008600 , L0008601 , L0008602 , L0008603 , L0008604 ,
		L0008605 , L0008606 , L0008607 , L0008608 , L0008609 , L0008610 , L0008611 , L0008612 ,
		L0008613 , L0008614 , L0008615 , L0008616 , L0008617 , L0008618 , L0008619 , L0008620 ,
		L0008621 , L0008622 , L0008623 , L0008624 , L0008625 , L0008626 , L0008627 , L0008628 ,
		L0008629 , L0008630 , L0008631 , L0008632 , L0008633 , L0008634 , L0008635 , L0008636 ,
		L0008637 , L0008638 , L0008639 , L0008640 , L0008641 , L0008642 , L0008643 , L0008644 ,
		L0008645 , L0008646 , L0008647 , L0008648 , L0008649 , L0008650 , L0008651 , L0008652 ,
		L0008653 , L0008654 , L0008655 , L0008656 , L0008657 , L0008658 , L0008659 , L0008660 ,
		L0008661 , L0008662 , L0008663 , L0008664 , L0008665 , L0008666 , L0008667 , L0008668 ,
		L0008669 , L0008670 , L0008671 , L0008672 , L0008673 , L0008674 , L0008675 , L0008676 ,
		L0008677 , L0008678 , L0008679 , L0008680 , L0008681 , L0008682 , L0008683 , L0008684 ,
		L0008685 , L0008686 , L0008687 , L0008688 , L0008689 , L0008690 , L0008691 , L0008692 ,
		L0008693 , L0008694 , L0008695 , L0008696 , L0008697 , L0008698 , L0009525 , L0009526 ,

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L0009532    , L0009533    , L0009534    ,

             L0009535    , L0009536    , L0009537    , L0009538    , L0009539    ,
L0009540    , L0009541    , L0009542    ,

             L0009543    , L0009544    , L0009545    , L0009546    , L0009547    ,
L0009548    , L0009549    , L0009550    ,

             L0009551    , L0009552    , L0009553    , L0009554    , L0009555    ,
L0009556    , L0009557    , L0009558    ,

             L0009559    , L0009560    , L0009561    , L0009562    , L0009563    ,
L0009564    , L0009565    , L0009566    ,
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

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


             L0009567    , L0009568    , L0009569    , L0009570    , L0009571    ,
L0009572    , L0009573    , L0009574    ,

             L0009575    , L0009576    , L0009577    , L0009578    , L0009579    ,
```



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

     ( 460204.1, 3779784.8,     531.4,     531.4,       0.0);         ( 460254.1,
```

3779784.8, 530.7, 530.7, 0.0);
(460304.1, 3779784.8, 530.5, 530.5, 0.0); (460204.1, 3779834.8, 533.1, 533.1, 0.0);
(460254.1, 3779834.8, 532.9, 532.9, 0.0); (460304.1, 3779834.8, 532.8, 532.8, 0.0);
(460204.1, 3779884.8, 534.4, 534.4, 0.0); (460254.1, 3779884.8, 533.8, 533.8, 0.0);
(460304.1, 3779884.8, 533.6, 533.6, 0.0); (460204.1, 3779934.8, 536.3, 536.3, 0.0);
(460254.1, 3779934.8, 535.9, 535.9, 0.0); (460304.1, 3779934.8, 535.6, 535.6, 0.0);
(460204.1, 3779984.8, 537.4, 537.4, 0.0); (460254.1, 3779984.8, 536.8, 536.8, 0.0);
(460304.1, 3779984.8, 536.4, 536.4, 0.0); (460204.1, 3780034.8, 539.0, 539.0, 0.0);
(460254.1, 3780034.8, 538.3, 538.3, 0.0); (460304.1, 3780034.8, 537.9, 537.9, 0.0);
(460204.1, 3780084.8, 540.4, 540.4, 0.0); (460254.1, 3780084.8, 539.8, 539.8, 0.0);
(460304.1, 3780084.8, 539.5, 539.5, 0.0); (460204.1, 3780134.8, 541.7, 541.7, 0.0);
(460254.1, 3780134.8, 540.8, 540.8, 0.0); (460304.1, 3780134.8, 540.5, 540.5, 0.0);
(460204.1, 3780184.8, 542.8, 542.8, 0.0); (460254.1, 3780184.8, 542.1, 542.1, 0.0);
(460304.1, 3780184.8, 542.5, 542.5, 0.0); (460204.1, 3780234.8, 544.2, 544.2, 0.0);
(460254.1, 3780234.8, 543.3, 543.3, 0.0); (460304.1, 3780234.8, 543.2, 543.2, 0.0);
(460204.1, 3780284.8, 546.0, 546.0, 0.0); (460254.1, 3780284.8, 545.6, 545.6, 0.0);
(460304.1, 3780284.8, 545.5, 545.5, 0.0); (460204.1, 3780334.8, 547.3, 547.3, 0.0);
(460254.1, 3780334.8, 546.9, 546.9, 0.0); (460304.1, 3780334.8, 546.9, 546.9, 0.0);
(460204.1, 3780384.8, 548.7, 548.7, 0.0); (460254.1, 3780384.8, 548.0, 548.0, 0.0);
(460304.1, 3780384.8, 547.9, 547.9, 0.0); (460204.1, 3780434.8, 549.9, 549.9, 0.0);
(460254.1, 3780434.8, 549.7, 549.7, 0.0); (460304.1, 3780434.8, 549.6, 549.6, 0.0);
(460204.1, 3780484.8, 551.2, 551.2, 0.0); (460254.1, 3780484.8, 550.5, 550.5, 0.0);
(460304.1, 3780484.8, 550.3, 550.3, 0.0); (460349.5, 3779783.5, 530.2, 530.2, 0.0);
(460399.5, 3779783.5, 530.0, 530.0, 0.0); (460449.5, 3779783.5, 529.6, 529.6, 0.0);
(460499.5, 3779783.5, 529.1, 529.1, 0.0); (460349.5,

3779833.5, 532.2, 532.2, 0.0);
(460399.5, 3779833.5, 531.6, 531.6, 0.0); (460449.5, 3779833.5, 530.8, 530.8, 0.0);
(460499.5, 3779833.5, 531.4, 531.4, 0.0); (460349.5, 3779883.5, 533.2, 533.2, 0.0);
(460399.5, 3779883.5, 533.3, 533.3, 0.0); (460449.5, 3779883.5, 532.3, 532.3, 0.0);
(460499.5, 3779883.5, 532.5, 532.5, 0.0); (460349.5, 3779933.5, 534.9, 534.9, 0.0);
(460399.5, 3779933.5, 534.6, 534.6, 0.0); (460449.5, 3779933.5, 534.0, 534.0, 0.0);
(460499.5, 3779933.5, 534.7, 534.7, 0.0); (460349.5, 3779983.5, 535.8, 535.8, 0.0);
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(460499.5, 3779983.5, 535.6, 535.6, 0.0); (460349.5, 3780033.5, 537.3, 537.3, 0.0);
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(460499.5, 3780033.5, 536.9, 536.9, 0.0); (460349.5, 3780083.5, 539.1, 539.1, 0.0);
(460399.5, 3780083.5, 538.7, 538.7, 0.0); (460449.5, 3780083.5, 538.4, 538.4, 0.0);
(460499.5, 3780083.5, 538.4, 538.4, 0.0); (460349.5, 3780133.5, 540.2, 540.2, 0.0);
(460399.5, 3780133.5, 539.8, 539.8, 0.0); (460449.5, 3780133.5, 539.5, 539.5, 0.0);
(460499.5, 3780133.5, 539.3, 539.3, 0.0); (460349.5, 3780183.5, 542.3, 542.3, 0.0);
(460399.5, 3780183.5, 541.8, 541.8, 0.0); (460449.5, 3780183.5, 541.5, 541.5, 0.0);
(460499.5, 3780183.5, 541.2, 541.2, 0.0); (460349.5, 3780233.5, 542.8, 542.8, 0.0);
(460399.5, 3780233.5, 542.8, 542.8, 0.0); (460449.5, 3780233.5, 542.1, 542.1, 0.0);
(460499.5, 3780233.5, 541.7, 541.7, 0.0); (460349.5, 3780283.5, 545.0, 545.0, 0.0);
(460399.5, 3780283.5, 544.7, 544.7, 0.0); (460449.5, 3780283.5, 543.7, 543.7, 0.0);
(460499.5, 3780283.5, 543.9, 543.9, 0.0); (460349.5, 3780333.5, 546.4, 546.4, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(460399.5, 3780333.5, 546.1, 546.1, 0.0); (460449.5, 3780333.5, 545.1, 545.1, 0.0);
(460499.5, 3780333.5, 545.2, 545.2, 0.0); (460349.5, 3780383.5, 547.5, 547.5, 0.0);
(460399.5, 3780383.5, 547.4, 547.4, 0.0); (460449.5, 3780383.5, 546.6, 546.6, 0.0);
(460499.5, 3780383.5, 546.7, 546.7, 0.0); (460349.5, 3780433.5, 549.1, 549.1, 0.0);
(460399.5, 3780433.5, 548.9, 548.9, 0.0); (460449.5, 3780433.5, 548.5, 548.5, 0.0);
(460499.5, 3780433.5, 548.6, 548.6, 0.0); (460349.5, 3780483.5, 550.0, 550.0, 0.0);
(460399.5, 3780483.5, 550.7, 550.7, 0.0); (460449.5, 3780483.5, 550.5, 550.5, 0.0);
(460499.5, 3780483.5, 549.7, 549.7, 0.0); (459271.0, 3777660.4, 474.4, 474.4, 0.0);
(459321.0, 3777660.4, 474.8, 474.8, 0.0); (459371.0, 3777660.4, 474.5, 474.5, 0.0);
(459271.0, 3777710.4, 475.3, 475.3, 0.0); (459321.0, 3777710.4, 475.2, 475.2, 0.0);
(459371.0, 3777710.4, 473.0, 473.0, 0.0); (459421.0, 3777710.4, 473.4, 473.4, 0.0);
(459471.0, 3777710.4, 476.3, 476.3, 0.0); (459521.0, 3777710.4, 477.2, 477.2, 0.0);
(459271.0, 3777760.4, 476.1, 476.1, 0.0); (459321.0, 3777760.4, 475.5, 475.5, 0.0);
(459371.0, 3777760.4, 473.4, 473.4, 0.0); (459421.0, 3777760.4, 473.3, 473.3, 0.0);
(459471.0, 3777760.4, 476.8, 476.8, 0.0); (459521.0, 3777760.4, 478.2, 478.2, 0.0);
(459571.0, 3777760.4, 477.8, 477.8, 0.0); (459621.0, 3777760.4, 478.2, 478.2, 0.0);
(459671.0, 3777760.4, 478.5, 478.5, 0.0); (459721.0, 3777760.4, 478.8, 478.8, 0.0);
(459771.0, 3777760.4, 478.4, 478.4, 0.0); (459271.0, 3777810.4, 475.2, 482.6, 0.0);
(459321.0, 3777810.4, 476.1, 476.1, 0.0); (459371.0, 3777810.4, 474.8, 474.8, 0.0);
(459421.0, 3777810.4, 472.2, 481.2, 0.0); (459471.0, 3777810.4, 478.7, 479.0, 0.0);
(459521.0, 3777810.4, 479.2, 479.2, 0.0); (459571.0, 3777810.4, 479.2, 479.2, 0.0);
(459621.0, 3777810.4, 478.8, 478.8, 0.0); (459671.0,

3777810.4, 479.6, 479.6, 0.0);
(459721.0, 3777810.4, 479.9, 479.9, 0.0); (459771.0, 3777810.4, 479.6, 479.6, 0.0);
(459271.0, 3777860.4, 478.8, 483.7, 0.0); (459321.0, 3777860.4, 477.8, 483.6, 0.0);
(459371.0, 3777860.4, 476.7, 476.7, 0.0); (459421.0, 3777860.4, 474.8, 481.9, 0.0);
(459471.0, 3777860.4, 480.7, 480.7, 0.0); (459521.0, 3777860.4, 480.7, 480.7, 0.0);
(459571.0, 3777860.4, 481.2, 481.2, 0.0); (459621.0, 3777860.4, 480.7, 480.7, 0.0);
(459671.0, 3777860.4, 481.1, 481.1, 0.0); (459721.0, 3777860.4, 481.4, 481.4, 0.0);
(459771.0, 3777860.4, 481.3, 481.3, 0.0); (459271.0, 3777910.4, 483.7, 483.7, 0.0);
(459321.0, 3777910.4, 482.4, 482.4, 0.0); (459371.0, 3777910.4, 478.3, 478.3, 0.0);
(459421.0, 3777910.4, 478.3, 482.3, 0.0); (459471.0, 3777910.4, 481.9, 481.9, 0.0);
(459521.0, 3777910.4, 482.0, 482.0, 0.0); (459571.0, 3777910.4, 482.7, 482.7, 0.0);
(459621.0, 3777910.4, 482.5, 482.5, 0.0); (459671.0, 3777910.4, 482.6, 482.6, 0.0);
(459721.0, 3777910.4, 482.2, 482.2, 0.0); (459771.0, 3777910.4, 482.3, 482.3, 0.0);
(459271.0, 3777960.4, 484.0, 484.0, 0.0); (459321.0, 3777960.4, 483.6, 483.6, 0.0);
(459371.0, 3777960.4, 479.6, 479.6, 0.0); (459421.0, 3777960.4, 481.6, 481.6, 0.0);
(459471.0, 3777960.4, 482.7, 482.7, 0.0); (459521.0, 3777960.4, 483.6, 483.6, 0.0);
(459571.0, 3777960.4, 484.3, 484.3, 0.0); (459621.0, 3777960.4, 483.8, 483.8, 0.0);
(459671.0, 3777960.4, 483.6, 483.6, 0.0); (459721.0, 3777960.4, 483.5, 483.5, 0.0);
(459771.0, 3777960.4, 483.5, 483.5, 0.0); (459271.0, 3778010.4, 484.6, 484.6, 0.0);
(459321.0, 3778010.4, 482.8, 482.8, 0.0); (459371.0, 3778010.4, 482.7, 482.7, 0.0);
(459421.0, 3778010.4, 484.6, 484.6, 0.0); (459471.0, 3778010.4, 483.6, 483.6, 0.0);
(459521.0, 3778010.4, 484.6, 484.6, 0.0); (459571.0, 3778010.4, 485.4, 485.4, 0.0);
(459621.0, 3778010.4, 485.1, 485.1, 0.0); (459671.0, 3778010.4, 485.2, 485.2, 0.0);
(459721.0, 3778010.4, 485.5, 485.5, 0.0); (459771.0, 3778010.4, 485.3, 485.3, 0.0);

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

(459271.0, 3778060.4, 485.9, 485.9, 0.0); (459321.0, 3778060.4, 483.9, 483.9, 0.0);
(459371.0, 3778060.4, 485.5, 485.5, 0.0); (459421.0, 3778060.4, 485.4, 485.4, 0.0);
(459471.0, 3778060.4, 485.7, 485.7, 0.0); (459521.0, 3778060.4, 486.0, 486.0, 0.0);
(459571.0, 3778060.4, 486.6, 486.6, 0.0); (459621.0, 3778060.4, 486.2, 486.2, 0.0);
(459671.0, 3778060.4, 486.4, 486.4, 0.0); (459721.0, 3778060.4, 486.7, 486.7, 0.0);
(459771.0, 3778060.4, 486.5, 486.5, 0.0); (459271.0, 3778110.4, 487.0, 487.0, 0.0);
(459321.0, 3778110.4, 487.5, 487.5, 0.0); (459371.0, 3778110.4, 486.2, 486.2, 0.0);
(459421.0, 3778110.4, 486.6, 486.6, 0.0); (459471.0, 3778110.4, 487.5, 487.5, 0.0);
(459521.0, 3778110.4, 487.5, 487.5, 0.0); (459571.0, 3778110.4, 487.7, 487.7, 0.0);
(459621.0, 3778110.4, 487.2, 487.2, 0.0); (459671.0, 3778110.4, 487.2, 487.2, 0.0);
(459721.0, 3778110.4, 487.3, 487.3, 0.0); (459771.0, 3778110.4, 487.4, 487.4, 0.0);
(459271.0, 3778160.4, 488.5, 488.5, 0.0); (459321.0, 3778160.4, 488.7, 488.7, 0.0);
(459371.0, 3778160.4, 484.0, 484.0, 0.0); (459421.0, 3778160.4, 487.8, 487.8, 0.0);
(459471.0, 3778160.4, 488.4, 488.4, 0.0); (459521.0, 3778160.4, 488.5, 488.5, 0.0);
(459571.0, 3778160.4, 488.9, 488.9, 0.0); (459621.0, 3778160.4, 488.2, 488.2, 0.0);
(459671.0, 3778160.4, 488.6, 488.6, 0.0); (459721.0, 3778160.4, 488.9, 488.9, 0.0);
(459771.0, 3778160.4, 488.8, 488.8, 0.0); (459271.0, 3778210.4, 489.9, 489.9, 0.0);
(459321.0, 3778210.4, 489.9, 489.9, 0.0); (459371.0, 3778210.4, 484.6, 491.0, 0.0);
(459421.0, 3778210.4, 488.9, 488.9, 0.0); (459471.0,

3778210.4, 489.8, 489.8, 0.0);
(459521.0, 3778210.4, 489.6, 489.6, 0.0); (459571.0, 3778210.4, 490.1, 490.1, 0.0);
(459621.0, 3778210.4, 489.5, 489.5, 0.0); (459671.0, 3778210.4, 489.7, 489.7, 0.0);
(459721.0, 3778210.4, 489.6, 489.6, 0.0); (459771.0, 3778210.4, 489.8, 489.8, 0.0);
(459271.0, 3778260.4, 491.2, 491.2, 0.0); (459321.0, 3778260.4, 491.2, 491.2, 0.0);
(459371.0, 3778260.4, 487.3, 487.3, 0.0); (459421.0, 3778260.4, 489.6, 489.6, 0.0);
(459471.0, 3778260.4, 490.7, 490.7, 0.0); (459521.0, 3778260.4, 490.7, 490.7, 0.0);
(459571.0, 3778260.4, 490.9, 490.9, 0.0); (459621.0, 3778260.4, 490.7, 490.7, 0.0);
(459671.0, 3778260.4, 490.9, 490.9, 0.0); (459721.0, 3778260.4, 490.8, 490.8, 0.0);
(459771.0, 3778260.4, 490.9, 490.9, 0.0); (459271.0, 3778310.4, 491.9, 491.9, 0.0);
(459321.0, 3778310.4, 491.6, 491.6, 0.0); (459371.0, 3778310.4, 490.8, 490.8, 0.0);
(459421.0, 3778310.4, 490.7, 490.7, 0.0); (459471.0, 3778310.4, 491.1, 491.1, 0.0);
(459521.0, 3778310.4, 491.3, 491.3, 0.0); (459571.0, 3778310.4, 491.4, 491.4, 0.0);
(459621.0, 3778310.4, 491.9, 491.9, 0.0); (459671.0, 3778310.4, 492.4, 492.4, 0.0);
(459721.0, 3778310.4, 492.9, 492.9, 0.0); (459771.0, 3778310.4, 492.4, 492.4, 0.0);
(459271.0, 3778360.4, 492.4, 492.4, 0.0); (459321.0, 3778360.4, 491.8, 491.8, 0.0);
(459371.0, 3778360.4, 487.9, 496.0, 0.0); (459421.0, 3778360.4, 490.2, 490.2, 0.0);
(459471.0, 3778360.4, 491.2, 491.2, 0.0); (459521.0, 3778360.4, 492.4, 492.4, 0.0);
(459571.0, 3778360.4, 493.0, 493.0, 0.0); (459621.0, 3778360.4, 493.1, 493.1, 0.0);
(459671.0, 3778360.4, 493.4, 493.4, 0.0); (459721.0, 3778360.4, 494.1, 494.1, 0.0);
(459771.0, 3778360.4, 494.1, 494.1, 0.0); (459271.0, 3778410.4, 494.3, 494.3, 0.0);
(459321.0, 3778410.4, 494.8, 494.8, 0.0); (459371.0, 3778410.4, 493.7, 496.0, 0.0);
(459421.0, 3778410.4, 491.6, 496.8, 0.0); (459471.0, 3778410.4, 490.7, 490.7, 0.0);
(459521.0, 3778410.4, 491.5, 491.5, 0.0); (459571.0, 3778410.4, 493.7, 493.7, 0.0);
(459621.0, 3778410.4, 494.7, 494.7, 0.0); (459671.0,

3778410.4, 495.1, 495.1, 0.0);
(459721.0, 3778410.4, 495.4, 495.4, 0.0); (459771.0, 3778410.4, 495.3, 495.3, 0.0);
(459271.0, 3778460.4, 495.9, 495.9, 0.0); (459321.0, 3778460.4, 495.8, 495.8, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459371.0, 3778460.4, 496.4, 496.4, 0.0); (459421.0, 3778460.4, 496.8, 496.8, 0.0);
(459471.0, 3778460.4, 494.5, 497.9, 0.0); (459521.0, 3778460.4, 492.8, 497.9, 0.0);
(459571.0, 3778460.4, 493.0, 493.0, 0.0); (459621.0, 3778460.4, 496.4, 496.4, 0.0);
(459671.0, 3778460.4, 496.3, 496.3, 0.0); (459721.0, 3778460.4, 497.2, 497.2, 0.0);
(459771.0, 3778460.4, 496.9, 496.9, 0.0); (459271.0, 3778510.4, 497.7, 497.7, 0.0);
(459321.0, 3778510.4, 497.8, 497.8, 0.0); (459371.0, 3778510.4, 497.7, 497.7, 0.0);
(459421.0, 3778510.4, 497.5, 497.5, 0.0); (459471.0, 3778510.4, 498.0, 498.0, 0.0);
(459521.0, 3778510.4, 498.3, 498.3, 0.0); (459571.0, 3778510.4, 495.7, 495.7, 0.0);
(459621.0, 3778510.4, 497.7, 497.7, 0.0); (459671.0, 3778510.4, 497.9, 497.9, 0.0);
(459721.0, 3778510.4, 497.9, 497.9, 0.0); (459771.0, 3778510.4, 497.9, 497.9, 0.0);
(459271.0, 3778560.4, 498.1, 498.1, 0.0); (459321.0, 3778560.4, 498.1, 498.1, 0.0);
(459371.0, 3778560.4, 498.0, 498.0, 0.0); (459421.0, 3778560.4, 497.9, 497.9, 0.0);
(459471.0, 3778560.4, 498.5, 498.5, 0.0); (459521.0, 3778560.4, 498.5, 498.5, 0.0);
(459571.0, 3778560.4, 499.3, 499.3, 0.0); (459621.0, 3778560.4, 500.1, 500.1, 0.0);
(459671.0, 3778560.4, 499.4, 499.4, 0.0); (459721.0, 3778560.4, 499.0, 499.0, 0.0);
(459771.0, 3778560.4, 499.2, 499.2, 0.0); (459271.0,

3778610.4, 495.9, 502.5, 0.0);
(459321.0, 3778610.4, 497.4, 497.4, 0.0); (459371.0, 3778610.4, 498.4, 498.4, 0.0);
(459421.0, 3778610.4, 497.6, 497.6, 0.0); (459471.0, 3778610.4, 497.9, 497.9, 0.0);
(459521.0, 3778610.4, 498.4, 498.4, 0.0); (459571.0, 3778610.4, 500.4, 500.4, 0.0);
(459621.0, 3778610.4, 500.5, 500.5, 0.0); (459671.0, 3778610.4, 500.5, 500.5, 0.0);
(459721.0, 3778610.4, 500.2, 500.2, 0.0); (459771.0, 3778610.4, 500.6, 500.6, 0.0);
(459271.0, 3778660.4, 500.9, 502.5, 0.0); (459321.0, 3778660.4, 501.4, 501.4, 0.0);
(459371.0, 3778660.4, 501.4, 501.4, 0.0); (459421.0, 3778660.4, 501.4, 501.4, 0.0);
(459471.0, 3778660.4, 501.8, 501.8, 0.0); (459521.0, 3778660.4, 501.4, 501.4, 0.0);
(459571.0, 3778660.4, 501.1, 501.1, 0.0); (459621.0, 3778660.4, 501.8, 501.8, 0.0);
(459671.0, 3778660.4, 501.5, 501.5, 0.0); (459721.0, 3778660.4, 501.2, 501.2, 0.0);
(459771.0, 3778660.4, 501.5, 501.5, 0.0); (459271.0, 3778710.4, 503.2, 503.2, 0.0);
(459321.0, 3778710.4, 503.7, 503.7, 0.0); (459371.0, 3778710.4, 503.7, 503.7, 0.0);
(459421.0, 3778710.4, 503.2, 503.2, 0.0); (459471.0, 3778710.4, 503.3, 503.3, 0.0);
(459521.0, 3778710.4, 502.9, 502.9, 0.0); (459571.0, 3778710.4, 502.6, 502.6, 0.0);
(459621.0, 3778710.4, 503.4, 503.4, 0.0); (459671.0, 3778710.4, 502.4, 502.4, 0.0);
(459721.0, 3778710.4, 503.1, 503.1, 0.0); (459771.0, 3778710.4, 503.1, 503.1, 0.0);
(459271.0, 3778760.4, 504.1, 504.1, 0.0); (459321.0, 3778760.4, 504.3, 504.3, 0.0);
(459371.0, 3778760.4, 504.2, 504.2, 0.0); (459421.0, 3778760.4, 504.2, 504.2, 0.0);
(459471.0, 3778760.4, 504.4, 504.4, 0.0); (459521.0, 3778760.4, 504.5, 504.5, 0.0);
(459571.0, 3778760.4, 504.6, 504.6, 0.0); (459621.0, 3778760.4, 503.9, 503.9, 0.0);
(459671.0, 3778760.4, 503.9, 503.9, 0.0); (459721.0, 3778760.4, 504.3, 504.3, 0.0);
(459771.0, 3778760.4, 504.6, 504.6, 0.0); (459271.0, 3778810.4, 505.4, 505.4, 0.0);
(459321.0, 3778810.4, 505.4, 505.4, 0.0); (459371.0, 3778810.4, 505.6, 505.6, 0.0);
(459421.0, 3778810.4, 505.6, 505.6, 0.0); (459471.0,

3778810.4, 505.9, 505.9, 0.0);
(459521.0, 3778810.4, 505.8, 505.8, 0.0); (459571.0, 3778810.4, 505.4, 505.4, 0.0);
(459621.0, 3778810.4, 505.4, 505.4, 0.0); (459671.0, 3778810.4, 505.1, 505.1, 0.0);
(459721.0, 3778810.4, 505.7, 505.7, 0.0); (459771.0, 3778810.4, 505.8, 505.8, 0.0);
(459271.0, 3778860.4, 506.1, 506.1, 0.0); (459321.0, 3778860.4, 506.0, 506.0, 0.0);
(459371.0, 3778860.4, 506.2, 506.2, 0.0); (459421.0, 3778860.4, 506.3, 506.3, 0.0);

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

(459471.0, 3778860.4, 506.7, 506.7, 0.0); (459521.0, 3778860.4, 506.5, 506.5, 0.0);
(459571.0, 3778860.4, 506.0, 506.0, 0.0); (459621.0, 3778860.4, 506.3, 506.3, 0.0);
(459671.0, 3778860.4, 506.1, 506.1, 0.0); (459721.0, 3778860.4, 506.6, 506.6, 0.0);
(459771.0, 3778860.4, 507.0, 507.0, 0.0); (459271.0, 3778910.4, 506.7, 506.7, 0.0);
(459321.0, 3778910.4, 506.8, 506.8, 0.0); (459371.0, 3778910.4, 507.0, 507.0, 0.0);
(459421.0, 3778910.4, 507.2, 507.2, 0.0); (459471.0, 3778910.4, 507.3, 507.3, 0.0);
(459521.0, 3778910.4, 507.3, 507.3, 0.0); (459571.0, 3778910.4, 507.2, 507.2, 0.0);
(459621.0, 3778910.4, 507.5, 507.5, 0.0); (459671.0, 3778910.4, 507.7, 507.7, 0.0);
(459721.0, 3778910.4, 508.0, 508.0, 0.0); (459771.0, 3778910.4, 508.2, 508.2, 0.0);
(459271.0, 3778960.4, 509.2, 509.2, 0.0); (459321.0, 3778960.4, 509.0, 509.0, 0.0);
(459371.0, 3778960.4, 509.0, 509.0, 0.0); (459421.0, 3778960.4, 509.3, 509.3, 0.0);
(459471.0, 3778960.4, 509.4, 509.4, 0.0); (459521.0, 3778960.4, 509.2, 509.2, 0.0);
(459571.0, 3778960.4, 509.0, 509.0, 0.0); (459621.0,

3778960.4, 509.1, 509.1, 0.0);
(459671.0, 3778960.4, 509.3, 509.3, 0.0); (459721.0, 3778960.4, 509.6, 509.6, 0.0);
(459771.0, 3778960.4, 509.6, 509.6, 0.0); (459271.0, 3779010.4, 510.5, 510.5, 0.0);
(459321.0, 3779010.4, 510.5, 510.5, 0.0); (459371.0, 3779010.4, 510.4, 510.4, 0.0);
(459421.0, 3779010.4, 510.7, 510.7, 0.0); (459471.0, 3779010.4, 510.9, 510.9, 0.0);
(459521.0, 3779010.4, 510.8, 510.8, 0.0); (459571.0, 3779010.4, 510.4, 510.4, 0.0);
(459621.0, 3779010.4, 510.5, 510.5, 0.0); (459671.0, 3779010.4, 510.7, 510.7, 0.0);
(459721.0, 3779010.4, 511.0, 511.0, 0.0); (459771.0, 3779010.4, 511.0, 511.0, 0.0);
(459271.0, 3779060.4, 511.8, 511.8, 0.0); (459321.0, 3779060.4, 511.9, 511.9, 0.0);
(459371.0, 3779060.4, 511.8, 511.8, 0.0); (459421.0, 3779060.4, 512.0, 512.0, 0.0);
(459471.0, 3779060.4, 512.3, 512.3, 0.0); (459521.0, 3779060.4, 512.1, 512.1, 0.0);
(459571.0, 3779060.4, 511.7, 511.7, 0.0); (459621.0, 3779060.4, 511.9, 511.9, 0.0);
(459671.0, 3779060.4, 512.0, 512.0, 0.0); (459721.0, 3779060.4, 512.3, 512.3, 0.0);
(459771.0, 3779060.4, 512.5, 512.5, 0.0); (459271.0, 3779110.4, 513.0, 513.0, 0.0);
(459321.0, 3779110.4, 513.2, 513.2, 0.0); (459371.0, 3779110.4, 513.2, 513.2, 0.0);
(459421.0, 3779110.4, 513.3, 513.3, 0.0); (459471.0, 3779110.4, 513.5, 513.5, 0.0);
(459521.0, 3779110.4, 513.4, 513.4, 0.0); (459571.0, 3779110.4, 513.2, 513.2, 0.0);
(459621.0, 3779110.4, 513.3, 513.3, 0.0); (459671.0, 3779110.4, 513.2, 513.2, 0.0);
(459721.0, 3779110.4, 513.5, 513.5, 0.0); (459771.0, 3779110.4, 513.7, 513.7, 0.0);
(459271.0, 3779160.4, 514.1, 514.1, 0.0); (459321.0, 3779160.4, 514.6, 514.6, 0.0);
(459371.0, 3779160.4, 514.8, 514.8, 0.0); (459421.0, 3779160.4, 514.6, 514.6, 0.0);
(459471.0, 3779160.4, 514.7, 514.7, 0.0); (459521.0, 3779160.4, 514.8, 514.8, 0.0);
(459571.0, 3779160.4, 514.7, 514.7, 0.0); (459621.0, 3779160.4, 514.5, 514.5, 0.0);
(459671.0, 3779160.4, 514.5, 514.5, 0.0); (459721.0, 3779160.4, 514.9, 514.9, 0.0);
(459771.0, 3779160.4, 514.8, 514.8, 0.0); (459271.0,

3779210.4, 515.5, 515.5, 0.0);
(459321.0, 3779210.4, 515.8, 515.8, 0.0); (459371.0, 3779210.4, 516.3, 516.3, 0.0);
(459421.0, 3779210.4, 516.0, 516.0, 0.0); (459471.0, 3779210.4, 516.0, 516.0, 0.0);
(459521.0, 3779210.4, 516.2, 516.2, 0.0); (459571.0, 3779210.4, 516.1, 516.1, 0.0);
(459621.0, 3779210.4, 515.7, 515.7, 0.0); (459671.0, 3779210.4, 515.9, 515.9, 0.0);
(459721.0, 3779210.4, 516.3, 516.3, 0.0); (459771.0, 3779210.4, 516.1, 516.1, 0.0);
(459271.0, 3779260.4, 516.9, 516.9, 0.0); (459321.0, 3779260.4, 517.2, 517.2, 0.0);
(459371.0, 3779260.4, 517.6, 517.6, 0.0); (459421.0, 3779260.4, 517.3, 517.3, 0.0);
(459471.0, 3779260.4, 517.3, 517.3, 0.0); (459521.0, 3779260.4, 517.7, 517.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459571.0, 3779260.4, 517.3, 517.3, 0.0); (459621.0, 3779260.4, 517.1, 517.1, 0.0);
(459671.0, 3779260.4, 517.5, 517.5, 0.0); (459721.0, 3779260.4, 517.5, 517.5, 0.0);
(459771.0, 3779260.4, 517.5, 517.5, 0.0); (459271.0, 3779310.4, 518.6, 518.6, 0.0);
(459321.0, 3779310.4, 518.6, 518.6, 0.0); (459371.0, 3779310.4, 518.9, 518.9, 0.0);
(459421.0, 3779310.4, 518.6, 518.6, 0.0); (459471.0, 3779310.4, 518.6, 518.6, 0.0);
(459521.0, 3779310.4, 519.0, 519.0, 0.0); (459571.0, 3779310.4, 518.5, 518.5, 0.0);
(459621.0, 3779310.4, 518.5, 518.5, 0.0); (459671.0, 3779310.4, 519.1, 519.1, 0.0);
(459721.0, 3779310.4, 518.9, 518.9, 0.0); (459771.0, 3779310.4, 518.9, 518.9, 0.0);
(459271.0, 3779360.4, 520.0, 520.0, 0.0); (459321.0, 3779360.4, 520.1, 520.1, 0.0);
(459371.0, 3779360.4, 520.2, 520.2, 0.0); (459421.0,

3779360.4, 520.0, 520.0, 0.0);
(459471.0, 3779360.4, 520.0, 520.0, 0.0); (459521.0, 3779360.4, 520.1, 520.1, 0.0);
(459571.0, 3779360.4, 519.8, 519.8, 0.0); (459621.0, 3779360.4, 519.9, 519.9, 0.0);
(459671.0, 3779360.4, 520.6, 520.6, 0.0); (459721.0, 3779360.4, 520.5, 520.5, 0.0);
(459771.0, 3779360.4, 520.2, 520.2, 0.0); (459271.0, 3779410.4, 521.4, 521.4, 0.0);
(459321.0, 3779410.4, 521.5, 521.5, 0.0); (459371.0, 3779410.4, 521.8, 521.8, 0.0);
(459421.0, 3779410.4, 521.3, 521.3, 0.0); (459471.0, 3779410.4, 521.6, 521.6, 0.0);
(459521.0, 3779410.4, 521.5, 521.5, 0.0); (459571.0, 3779410.4, 521.5, 521.5, 0.0);
(459621.0, 3779410.4, 521.4, 521.4, 0.0); (459671.0, 3779410.4, 522.0, 522.0, 0.0);
(459721.0, 3779410.4, 522.0, 522.0, 0.0); (459771.0, 3779410.4, 521.6, 521.6, 0.0);
(459271.0, 3779460.4, 522.9, 522.9, 0.0); (459321.0, 3779460.4, 523.0, 523.0, 0.0);
(459371.0, 3779460.4, 523.2, 523.2, 0.0); (459421.0, 3779460.4, 522.7, 522.7, 0.0);
(459471.0, 3779460.4, 523.1, 523.1, 0.0); (459521.0, 3779460.4, 522.8, 522.8, 0.0);
(459571.0, 3779460.4, 523.1, 523.1, 0.0); (459621.0, 3779460.4, 522.8, 522.8, 0.0);
(459671.0, 3779460.4, 523.5, 523.5, 0.0); (459721.0, 3779460.4, 523.5, 523.5, 0.0);
(459771.0, 3779460.4, 523.1, 523.1, 0.0); (459271.0, 3779510.4, 524.2, 524.2, 0.0);
(459321.0, 3779510.4, 524.3, 524.3, 0.0); (459371.0, 3779510.4, 524.4, 524.4, 0.0);
(459421.0, 3779510.4, 524.2, 524.2, 0.0); (459471.0, 3779510.4, 524.4, 524.4, 0.0);
(459521.0, 3779510.4, 524.2, 524.2, 0.0); (459571.0, 3779510.4, 524.5, 524.5, 0.0);
(459621.0, 3779510.4, 524.4, 524.4, 0.0); (459671.0, 3779510.4, 524.7, 524.7, 0.0);
(459721.0, 3779510.4, 524.8, 524.8, 0.0); (459771.0, 3779510.4, 524.6, 524.6, 0.0);
(459271.0, 3779560.4, 525.7, 525.7, 0.0); (459321.0, 3779560.4, 525.7, 525.7, 0.0);
(459371.0, 3779560.4, 525.8, 525.8, 0.0); (459421.0, 3779560.4, 525.6, 525.6, 0.0);
(459471.0, 3779560.4, 525.8, 525.8, 0.0); (459521.0, 3779560.4, 525.5, 525.5, 0.0);
(459571.0, 3779560.4, 525.9, 525.9, 0.0); (459621.0,

3779560.4, 525.9, 525.9, 0.0);
(459671.0, 3779560.4, 526.2, 526.2, 0.0); (459721.0, 3779560.4, 526.2, 526.2, 0.0);
(459771.0, 3779560.4, 526.1, 526.1, 0.0); (459271.0, 3779610.4, 527.0, 527.0, 0.0);
(459321.0, 3779610.4, 527.1, 527.1, 0.0); (459371.0, 3779610.4, 527.3, 527.3, 0.0);
(459421.0, 3779610.4, 527.2, 527.2, 0.0); (459471.0, 3779610.4, 527.1, 527.1, 0.0);
(459521.0, 3779610.4, 527.1, 527.1, 0.0); (459571.0, 3779610.4, 527.3, 527.3, 0.0);
(459621.0, 3779610.4, 527.4, 527.4, 0.0); (459671.0, 3779610.4, 527.6, 527.6, 0.0);
(459721.0, 3779610.4, 527.6, 527.6, 0.0); (459771.0, 3779610.4, 527.5, 527.5, 0.0);
(459271.0, 3779660.4, 528.3, 528.3, 0.0); (459321.0, 3779660.4, 528.5, 528.5, 0.0);
(459371.0, 3779660.4, 528.7, 528.7, 0.0); (459421.0, 3779660.4, 528.6, 528.6, 0.0);
(459471.0, 3779660.4, 528.6, 528.6, 0.0); (459521.0, 3779660.4, 528.7, 528.7, 0.0);
(459571.0, 3779660.4, 528.7, 528.7, 0.0); (459621.0, 3779660.4, 528.9, 528.9, 0.0);
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

PAGE 29
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(459671.0, 3779660.4, 529.1, 529.1, 0.0); (459721.0, 3779660.4, 529.0, 529.0, 0.0);
(459771.0, 3779660.4, 529.0, 529.0, 0.0); (459271.0, 3779710.4, 529.9, 529.9, 0.0);
(459321.0, 3779710.4, 529.9, 529.9, 0.0); (459371.0, 3779710.4, 530.1, 530.1, 0.0);
(459421.0, 3779710.4, 530.0, 530.0, 0.0); (459471.0, 3779710.4, 530.1, 530.1, 0.0);
(459521.0, 3779710.4, 530.2, 530.2, 0.0); (459571.0, 3779710.4, 530.2, 530.2, 0.0);
(459621.0, 3779710.4, 530.4, 530.4, 0.0); (459671.0, 3779710.4, 530.6, 530.6, 0.0);
(459721.0, 3779710.4, 530.5, 530.5, 0.0); (459771.0,

3779710.4, 530.6, 530.6, 0.0);

*** 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
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

Fontana_Sierra Casa Grande.ADO
*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: FONT_V9_ADJU\FONT_v9.SFC
Met Version: 16216
Profile file: FONT_V9_ADJU\FONT_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

First 24 hours of scalar data

```
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 11 01 01   1 01  -18.5  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82
1.00    1.80   69.    9.1  276.4    5.5
 11 01 01   1 02  -23.8  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   52.    9.1  275.4    5.5
 11 01 01   1 03  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   32.    9.1  275.4    5.5
 11 01 01   1 04   -1.4  0.067 -9.000 -9.000 -999.   57.     18.3  0.25   2.82
1.00    0.40   27.    9.1  274.2    5.5
 11 01 01   1 05  -18.6  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82
1.00    1.80   51.    9.1  274.2    5.5
 11 01 01   1 06  -29.7  0.296 -9.000 -9.000 -999.  387.     96.6  0.25   2.82
1.00    2.70   53.    9.1  274.2    5.5
 11 01 01   1 07  -24.0  0.239 -9.000 -9.000 -999.  282.     63.0  0.25   2.82
1.00    2.20   70.    9.1  274.2    5.5
 11 01 01   1 08   -8.4  0.138 -9.000 -9.000 -999.  127.     27.3  0.25   2.82
0.54    1.30   72.    9.1  275.4    5.5
 11 01 01   1 09   44.3  0.280  0.571  0.005  147.  356.    -43.5  0.25   2.82
0.32    2.20   67.    9.1  277.5    5.5
 11 01 01   1 10  122.7  0.264  0.952  0.005  247.  326.    -13.2  0.25   2.82
0.25    1.80   83.    9.1  279.9    5.5
 11 01 01   1 11  179.8  0.316  1.733  0.005 1017.  426.    -15.4  0.25   2.82
0.22    2.20   58.    9.1  282.0    5.5
 11 01 01   1 12  206.0  0.320  1.940  0.008 1244.  435.    -14.0  0.25   2.82
0.21    2.20  115.    9.1  283.1    5.5
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5  0.25   2.82
0.21    1.30  147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0  0.25   2.82
```

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0.23    1.30  219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6  0.25   2.82
0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82
0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82
0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82
1.00    3.10   81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82
1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82
1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


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

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

                                  PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                 L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                 L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                 L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
460204.12	3779784.84	0.04332	460254.12	3779784.84	0.03124
460304.12	3779784.84	0.02391	460204.12	3779834.84	0.05121
460254.12	3779834.84	0.03594	460304.12	3779834.84	0.02692
460204.12	3779884.84	0.05570	460254.12	3779884.84	0.03899
460304.12	3779884.84	0.02908	460204.12	3779934.84	0.05578
460254.12	3779934.84	0.03979	460304.12	3779934.84	0.02998
460204.12	3779984.84	0.05194	460254.12	3779984.84	0.03800
460304.12	3779984.84	0.02928	460204.12	3780034.84	0.04500
460254.12	3780034.84	0.03521	460304.12	3780034.84	0.02825
460204.12	3780084.84	0.03621	460254.12	3780084.84	0.03056
460304.12	3780084.84	0.02607	460204.12	3780134.84	0.02860
460254.12	3780134.84	0.02551	460304.12	3780134.84	0.02265
460204.12	3780184.84	0.02236	460254.12	3780184.84	0.02096
460304.12	3780184.84	0.02025	460204.12	3780234.84	0.01702
460254.12	3780234.84	0.01707	460304.12	3780234.84	0.01676
460204.12	3780284.84	0.01294	460254.12	3780284.84	0.01334
460304.12	3780284.84	0.01356	460204.12	3780334.84	0.01004
460254.12	3780334.84	0.01049	460304.12	3780334.84	0.01085
460204.12	3780384.84	0.00793	460254.12	3780384.84	0.00837

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         460304.12    3780384.84        0.00873                        460204.12
3780434.84        0.00640
         460254.12    3780434.84        0.00670                        460304.12
3780434.84        0.00702
         460204.12    3780484.84        0.00526                        460254.12
3780484.84        0.00554
         460304.12    3780484.84        0.00580                        460349.55
3779783.46        0.01933
         460399.55    3779783.46        0.01579                        460449.55
3779783.46        0.01318
         460499.55    3779783.46        0.01120                        460349.55
3779833.46        0.02145
         460399.55    3779833.46        0.01728                        460449.55
3779833.46        0.01428
         460499.55    3779833.46        0.01206                        460349.55
3779883.46        0.02308
         460399.55    3779883.46        0.01853                        460449.55
3779883.46        0.01523
         460499.55    3779883.46        0.01279                        460349.55
3779933.46        0.02396
         460399.55    3779933.46        0.01927                        460449.55
3779933.46        0.01587
         460499.55    3779933.46        0.01333                        460349.55
3779983.46        0.02380
         460399.55    3779983.46        0.01936                        460449.55
3779983.46        0.01607
         460499.55    3779983.46        0.01357                        460349.55
3780033.46        0.02323
         460399.55    3780033.46        0.01883                        460449.55
3780033.46        0.01611
         460499.55    3780033.46        0.01353                        460349.55
3780083.46        0.02239
         460399.55    3780083.46        0.01907                        460449.55
3780083.46        0.01620
         460499.55    3780083.46        0.01409                        460349.55
3780133.46        0.02032
         460399.55    3780133.46        0.01779                        460449.55
3780133.46        0.01568
         460499.55    3780133.46        0.01377                        460349.55
3780183.46        0.01878
         460399.55    3780183.46        0.01720                        460449.55
3780183.46        0.01539
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         460499.55    3780183.46        0.01386                      460349.55
3780233.46        0.01620
         460399.55    3780233.46        0.01544                      460449.55
3780233.46        0.01393
         460499.55    3780233.46        0.01281                      460349.55
3780283.46        0.01365
         460399.55    3780283.46        0.01342                      460449.55
3780283.46        0.01284
         460499.55    3780283.46        0.01233                      460349.55
3780333.46        0.01117
         460399.55    3780333.46        0.01127                      460449.55
3780333.46        0.01113
         460499.55    3780333.46        0.01093                      460349.55
3780383.46        0.00911
         460399.55    3780383.46        0.00937                      460449.55
3780383.46        0.00949
         460499.55    3780383.46        0.00952                      460349.55
3780433.46        0.00740
         460399.55    3780433.46        0.00773                      460449.55
3780433.46        0.00799
         460499.55    3780433.46        0.00817                      460349.55
3780483.46        0.00611
         460399.55    3780483.46        0.00635                      460449.55
3780483.46        0.00665
         460499.55    3780483.46        0.00692                      459271.04
```

3777660.44 0.00088
459321.04 3777660.44 0.00089 459371.04
3777660.44 0.00090
459271.04 3777710.44 0.00091 459321.04
3777710.44 0.00092
459371.04 3777710.44 0.00092 459421.04
3777710.44 0.00093
459471.04 3777710.44 0.00095 459521.04
3777710.44 0.00096
459271.04 3777760.44 0.00095 459321.04
3777760.44 0.00095
459371.04 3777760.44 0.00096 459421.04
3777760.44 0.00097
459471.04 3777760.44 0.00098 459521.04
3777760.44 0.00099
459571.04 3777760.44 0.00100 459621.04
3777760.44 0.00102
459671.04 3777760.44 0.00105 459721.04
3777760.44 0.00110
459771.04 3777760.44 0.00132 459271.04
3777810.44 0.00098
459321.04 3777810.44 0.00099 459371.04
3777810.44 0.00100
459421.04 3777810.44 0.00100 459471.04
3777810.44 0.00102
459521.04 3777810.44 0.00103 459571.04
3777810.44 0.00104
459621.04 3777810.44 0.00106 459671.04
3777810.44 0.00109
459721.04 3777810.44 0.00114 459771.04
3777810.44 0.00136
459271.04 3777860.44 0.00102 459321.04
3777860.44 0.00103
459371.04 3777860.44 0.00104 459421.04
3777860.44 0.00104
459471.04 3777860.44 0.00107 459521.04
3777860.44 0.00108
459571.04 3777860.44 0.00109 459621.04
3777860.44 0.00110
459671.04 3777860.44 0.00113 459721.04
3777860.44 0.00119
459771.04 3777860.44 0.00140 459271.04
3777910.44 0.00107
459321.04 3777910.44 0.00108 459371.04
3777910.44 0.00108
459421.04 3777910.44 0.00109 459471.04
3777910.44 0.00111
459521.04 3777910.44 0.00112 459571.04

3777910.44 0.00114
459621.04 3777910.44 0.00115 459671.04
3777910.44 0.00118
459721.04 3777910.44 0.00123 459771.04
3777910.44 0.00145
459271.04 3777960.44 0.00111 459321.04
3777960.44 0.00112
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

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

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - -

459421.04 3778010.44 0.00120 459471.04 3778010.44 0.00121
459521.04 3778010.44 0.00122 459571.04 3778010.44 0.00124
459621.04 3778010.44 0.00125 459671.04 3778010.44 0.00128
459721.04 3778010.44 0.00133 459771.04 3778010.44 0.00155
459271.04 3778060.44 0.00121 459321.04 3778060.44 0.00122
459371.04 3778060.44 0.00123 459421.04 3778060.44 0.00125
459471.04 3778060.44 0.00126 459521.04 3778060.44 0.00128
459571.04 3778060.44 0.00129 459621.04 3778060.44 0.00131
459671.04 3778060.44 0.00134 459721.04 3778060.44 0.00139
459771.04 3778060.44 0.00160 459271.04 3778110.44 0.00126
459321.04 3778110.44 0.00128 459371.04 3778110.44 0.00129
459421.04 3778110.44 0.00130 459471.04 3778110.44 0.00132
459521.04 3778110.44 0.00133 459571.04 3778110.44 0.00135
459621.04 3778110.44 0.00137 459671.04 3778110.44 0.00139
459721.04 3778110.44 0.00145 459771.04 3778110.44 0.00166
459271.04 3778160.44 0.00131 459321.04 3778160.44 0.00133
459371.04 3778160.44 0.00133 459421.04 3778160.44 0.00136
459471.04 3778160.44 0.00138 459521.04 3778160.44 0.00140
459571.04 3778160.44 0.00141 459621.04 3778160.44 0.00143
459671.04 3778160.44 0.00146 459721.04 3778160.44 0.00152
459771.04 3778160.44 0.00172 459271.04 3778210.44 0.00137
459321.04 3778210.44 0.00139 459371.04 3778210.44 0.00139
459421.04 3778210.44 0.00143 459471.04 3778210.44 0.00145
459521.04 3778210.44 0.00146 459571.04 3778210.44 0.00148

```
         459621.04    3778210.44        0.00150                      459671.04
3778210.44        0.00153
         459721.04    3778210.44        0.00158                      459771.04
3778210.44        0.00179
         459271.04    3778260.44        0.00144                      459321.04
3778260.44        0.00146
         459371.04    3778260.44        0.00147                      459421.04
3778260.44        0.00149
         459471.04    3778260.44        0.00152                      459521.04
3778260.44        0.00154
         459571.04    3778260.44        0.00155                      459621.04
3778260.44        0.00158
         459671.04    3778260.44        0.00161                      459721.04
3778260.44        0.00166
         459771.04    3778260.44        0.00186                      459271.04
3778310.44        0.00150
         459321.04    3778310.44        0.00153                      459371.04
3778310.44        0.00155
         459421.04    3778310.44        0.00157                      459471.04
3778310.44        0.00159
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:11:17

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

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - -
         459521.04    3778310.44        0.00161                        459571.04
3778310.44        0.00163
         459621.04    3778310.44        0.00166                        459671.04
3778310.44        0.00169
         459721.04    3778310.44        0.00175                        459771.04
3778310.44        0.00194
         459271.04    3778360.44        0.00157                        459321.04
3778360.44        0.00160
         459371.04    3778360.44        0.00161                        459421.04
3778360.44        0.00164
         459471.04    3778360.44        0.00167                        459521.04
3778360.44        0.00170
         459571.04    3778360.44        0.00172                        459621.04
3778360.44        0.00174
         459671.04    3778360.44        0.00178                        459721.04
3778360.44        0.00184
         459771.04    3778360.44        0.00203                        459271.04
3778410.44        0.00165
         459321.04    3778410.44        0.00168                        459371.04
3778410.44        0.00171
         459421.04    3778410.44        0.00173                        459471.04
3778410.44        0.00175
         459521.04    3778410.44        0.00178                        459571.04
3778410.44        0.00181
         459621.04    3778410.44        0.00184                        459671.04
3778410.44        0.00188
         459721.04    3778410.44        0.00193                        459771.04
3778410.44        0.00213
         459271.04    3778460.44        0.00174                        459321.04
3778460.44        0.00177
         459371.04    3778460.44        0.00181                        459421.04
3778460.44        0.00184
         459471.04    3778460.44        0.00186                        459521.04
3778460.44        0.00188
         459571.04    3778460.44        0.00190                        459621.04
3778460.44        0.00195
         459671.04    3778460.44        0.00198                        459721.04
3778460.44        0.00204
         459771.04    3778460.44        0.00224                        459271.04
3778510.44        0.00183
         459321.04    3778510.44        0.00187                        459371.04
3778510.44        0.00190
         459421.04    3778510.44        0.00194                        459471.04
3778510.44        0.00197
         459521.04    3778510.44        0.00201                        459571.04
3778510.44        0.00202
         459621.04    3778510.44        0.00206                        459671.04
```

3778510.44 0.00210
459721.04 3778510.44 0.00216 459771.04
3778510.44 0.00236
459271.04 3778560.44 0.00192 459321.04
3778560.44 0.00196
459371.04 3778560.44 0.00201 459421.04
3778560.44 0.00205
459471.04 3778560.44 0.00209 459521.04
3778560.44 0.00212
459571.04 3778560.44 0.00216 459621.04
3778560.44 0.00220
459671.04 3778560.44 0.00223 459721.04
3778560.44 0.00229
459771.04 3778560.44 0.00249 459271.04
3778610.44 0.00200
459321.04 3778610.44 0.00206 459371.04
3778610.44 0.00212
459421.04 3778610.44 0.00216 459471.04
3778610.44 0.00220
459521.04 3778610.44 0.00224 459571.04
3778610.44 0.00229
459621.04 3778610.44 0.00233 459671.04
3778610.44 0.00237
459721.04 3778610.44 0.00243 459771.04
3778610.44 0.00263
459271.04 3778660.44 0.00213 459321.04
3778660.44 0.00219
459371.04 3778660.44 0.00225 459421.04
3778660.44 0.00230
459471.04 3778660.44 0.00236 459521.04
3778660.44 0.00240
459571.04 3778660.44 0.00244 459621.04
3778660.44 0.00249
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

PAGE 36
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278

, L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286
, L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
459671.04	3778660.44	0.00253	459721.04	3778660.44	0.00259
459771.04	3778660.44	0.00279	459271.04	3778710.44	0.00226
459321.04	3778710.44	0.00233	459371.04	3778710.44	0.00239
459421.04	3778710.44	0.00245	459471.04	3778710.44	0.00251
459521.04	3778710.44	0.00256	459571.04	3778710.44	0.00261
459621.04	3778710.44	0.00266	459671.04	3778710.44	0.00270
459721.04	3778710.44	0.00278	459771.04	3778710.44	0.00297
459271.04	3778760.44	0.00238	459321.04	3778760.44	0.00246
459371.04	3778760.44	0.00254	459421.04	3778760.44	0.00261
459471.04	3778760.44	0.00268	459521.04	3778760.44	0.00274
459571.04	3778760.44	0.00280	459621.04	3778760.44	0.00285
459671.04	3778760.44	0.00290	459721.04	3778760.44	0.00298
459771.04	3778760.44	0.00318	459271.04	3778810.44	0.00252
459321.04	3778810.44	0.00261	459371.04	3778810.44	0.00270
459421.04	3778810.44	0.00278	459471.04	3778810.44	0.00286
459521.04	3778810.44	0.00293	459571.04	3778810.44	0.00300
459621.04	3778810.44	0.00306	459671.04	3778810.44	0.00312

459721.04 3778810.44 0.00321 459771.04
3778810.44 0.00341
459271.04 3778860.44 0.00266 459321.04
3778860.44 0.00276
459371.04 3778860.44 0.00287 459421.04
3778860.44 0.00296
459471.04 3778860.44 0.00306 459521.04
3778860.44 0.00314
459571.04 3778860.44 0.00322 459621.04
3778860.44 0.00330
459671.04 3778860.44 0.00337 459721.04
3778860.44 0.00346
459771.04 3778860.44 0.00366 459271.04
3778910.44 0.00282
459321.04 3778910.44 0.00293 459371.04
3778910.44 0.00305
459421.04 3778910.44 0.00317 459471.04
3778910.44 0.00328
459521.04 3778910.44 0.00338 459571.04
3778910.44 0.00347
459621.04 3778910.44 0.00356 459671.04
3778910.44 0.00365
459721.04 3778910.44 0.00375 459771.04
3778910.44 0.00396
459271.04 3778960.44 0.00300 459321.04
3778960.44 0.00313
459371.04 3778960.44 0.00327 459421.04
3778960.44 0.00340
459471.04 3778960.44 0.00353 459521.04
3778960.44 0.00365
459571.04 3778960.44 0.00377 459621.04
3778960.44 0.00387
459671.04 3778960.44 0.00398 459721.04
3778960.44 0.00409
459771.04 3778960.44 0.00431 459271.04
3779010.44 0.00318
459321.04 3779010.44 0.00334 459371.04
3779010.44 0.00349
459421.04 3779010.44 0.00366 459471.04
3779010.44 0.00381
459521.04 3779010.44 0.00396 459571.04
3779010.44 0.00409
459621.04 3779010.44 0.00422 459671.04
3779010.44 0.00434
459721.04 3779010.44 0.00447 459771.04
3779010.44 0.00470

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
459271.04	3779060.44	0.00337	459321.04	3779060.44	0.00356
459371.04	3779060.44	0.00374	459421.04	3779060.44	0.00393
459471.04	3779060.44	0.00412	459521.04	3779060.44	0.00430
459571.04	3779060.44	0.00446	459621.04	3779060.44	0.00462
459671.04	3779060.44	0.00477	459721.04	3779060.44	0.00492
459771.04	3779060.44	0.00517	459271.04	3779110.44	0.00358
459321.04	3779110.44	0.00379	459371.04	3779110.44	0.00401
459421.04	3779110.44	0.00423	459471.04	3779110.44	0.00446
459521.04	3779110.44	0.00468	459571.04	3779110.44	0.00488
459621.04	3779110.44	0.00508	459671.04	3779110.44	0.00525
459721.04	3779110.44	0.00544	459771.04		

3779110.44 0.00572
459271.04 3779160.44 0.00380 459321.04
3779160.44 0.00405
459371.04 3779160.44 0.00431 459421.04
3779160.44 0.00457
459471.04 3779160.44 0.00484 459521.04
3779160.44 0.00510
459571.04 3779160.44 0.00536 459621.04
3779160.44 0.00560
459671.04 3779160.44 0.00582 459721.04
3779160.44 0.00605
459771.04 3779160.44 0.00636 459271.04
3779210.44 0.00403
459321.04 3779210.44 0.00432 459371.04
3779210.44 0.00462
459421.04 3779210.44 0.00493 459471.04
3779210.44 0.00525
459521.04 3779210.44 0.00558 459571.04
3779210.44 0.00590
459621.04 3779210.44 0.00620 459671.04
3779210.44 0.00650
459721.04 3779210.44 0.00678 459771.04
3779210.44 0.00713
459271.04 3779260.44 0.00428 459321.04
3779260.44 0.00460
459371.04 3779260.44 0.00496 459421.04
3779260.44 0.00533
459471.04 3779260.44 0.00572 459521.04
3779260.44 0.00613
459571.04 3779260.44 0.00652 459621.04
3779260.44 0.00691
459671.04 3779260.44 0.00730 459721.04
3779260.44 0.00765
459771.04 3779260.44 0.00807 459271.04
3779310.44 0.00453
459321.04 3779310.44 0.00491 459371.04
3779310.44 0.00532
459421.04 3779310.44 0.00576 459471.04
3779310.44 0.00623
459521.04 3779310.44 0.00674 459571.04
3779310.44 0.00723
459621.04 3779310.44 0.00774 459671.04
3779310.44 0.00825
459721.04 3779310.44 0.00871 459771.04
3779310.44 0.00923
459271.04 3779360.44 0.00480 459321.04
3779360.44 0.00523
459371.04 3779360.44 0.00570 459421.04

3779360.44 0.00622
459471.04 3779360.44 0.00679 459521.04
3779360.44 0.00741
459571.04 3779360.44 0.00805 459621.04
3779360.44 0.00871
459671.04 3779360.44 0.00939 459721.04
3779360.44 0.01002
459771.04 3779360.44 0.01067 459271.04
3779410.44 0.00507
459321.04 3779410.44 0.00556 459371.04
3779410.44 0.00611
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

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

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - -

459271.04 3779460.44 0.00534 459321.04 3779460.44 0.00589
459371.04 3779460.44 0.00652 459421.04 3779460.44 0.00723
459471.04 3779460.44 0.00807 459521.04 3779460.44 0.00900
459571.04 3779460.44 0.01005 459621.04 3779460.44 0.01118
459671.04 3779460.44 0.01243 459721.04 3779460.44 0.01365
459771.04 3779460.44 0.01487 459271.04 3779510.44 0.00561
459321.04 3779510.44 0.00622 459371.04 3779510.44 0.00694
459421.04 3779510.44 0.00778 459471.04 3779510.44 0.00876
459521.04 3779510.44 0.00990 459571.04 3779510.44 0.01124
459621.04 3779510.44 0.01274 459671.04 3779510.44 0.01443
459721.04 3779510.44 0.01620 459771.04 3779510.44 0.01799
459271.04 3779560.44 0.00587 459321.04 3779560.44 0.00655
459371.04 3779560.44 0.00736 459421.04 3779560.44 0.00832
459471.04 3779560.44 0.00948 459521.04 3779560.44 0.01086
459571.04 3779560.44 0.01255 459621.04 3779560.44 0.01453
459671.04 3779560.44 0.01687 459721.04 3779560.44 0.01946
459771.04 3779560.44 0.02222 459271.04 3779610.44 0.00612
459321.04 3779610.44 0.00687 459371.04 3779610.44 0.00777
459421.04 3779610.44 0.00886 459471.04 3779610.44 0.01020
459521.04 3779610.44 0.01186 459571.04 3779610.44 0.01394
459621.04 3779610.44 0.01655 459671.04 3779610.44 0.01977
459721.04 3779610.44 0.02364 459771.04 3779610.44 0.02808
459271.04 3779660.44 0.00634 459321.04 3779660.44 0.00715
459371.04 3779660.44 0.00815 459421.04 3779660.44 0.00937

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         459471.04    3779660.44        0.01090                      459521.04
3779660.44        0.01285
         459571.04    3779660.44        0.01538                      459621.04
3779660.44        0.01872
         459671.04    3779660.44        0.02316                      459721.04
3779660.44        0.02900
         459771.04    3779660.44        0.03650                      459271.04
3779710.44        0.00653
         459321.04    3779710.44        0.00740                      459371.04
3779710.44        0.00847
         459421.04    3779710.44        0.00981                      459471.04
3779710.44        0.01153
         459521.04    3779710.44        0.01377                      459571.04
3779710.44        0.01677
         459621.04    3779710.44        0.02092                      459671.04
3779710.44        0.02685
         459721.04    3779710.44        0.03558                      459771.04
3779710.44        0.04886
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:11:17

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        460204.12   3779784.84        0.19696  (11061807)               460254.12
```

3779784.84 0.15632 (11061807)
460304.12 3779784.84 0.12929 (11061807) 460204.12
3779834.84 0.21369 (11061807)
460254.12 3779834.84 0.16789 (11061807) 460304.12
3779834.84 0.13616 (11061807)
460204.12 3779884.84 0.26496 (15102517) 460254.12
3779884.84 0.19256 (15102517)
460304.12 3779884.84 0.14520 (15102517) 460204.12
3779934.84 0.28411 (15102517)
460254.12 3779934.84 0.21811 (15102517) 460304.12
3779934.84 0.17173 (15102517)
460204.12 3779984.84 0.25495 (15102517) 460254.12
3779984.84 0.20361 (15102517)
460304.12 3779984.84 0.16764 (15102517) 460204.12
3780034.84 0.17711 (15102517)
460254.12 3780034.84 0.15536 (15102517) 460304.12
3780034.84 0.13738 (15102517)
460204.12 3780084.84 0.14597 (11062019) 460254.12
3780084.84 0.11772 (11060807)
460304.12 3780084.84 0.10176 (12091718) 460204.12
3780134.84 0.14489 (11011917)
460254.12 3780134.84 0.12248 (11062019) 460304.12
3780134.84 0.10155 (11092507)
460204.12 3780184.84 0.14511 (15073021) 460254.12
3780184.84 0.12069 (11090419)
460304.12 3780184.84 0.11763 (15092020) 460204.12
3780234.84 0.13723 (16062720)
460254.12 3780234.84 0.12397 (15073021) 460304.12
3780234.84 0.11439 (11090419)
460204.12 3780284.84 0.13021 (15081320) 460254.12
3780284.84 0.12231 (15101120)
460304.12 3780284.84 0.11521 (16062021) 460204.12
3780334.84 0.12057 (15062723)
460254.12 3780334.84 0.11542 (15081320) 460304.12
3780334.84 0.10955 (15101120)
460204.12 3780384.84 0.11449 (12101719) 460254.12
3780384.84 0.10801 (15081320)
460304.12 3780384.84 0.10344 (15101120) 460204.12
3780434.84 0.10883 (15091922)
460254.12 3780434.84 0.10407 (15092620) 460304.12
3780434.84 0.10153 (13062921)
460204.12 3780484.84 0.10395 (12092721) 460254.12
3780484.84 0.10039 (12101719)
460304.12 3780484.84 0.09516 (11082520) 460349.55
3779783.46 0.11067 (11061807)
460399.55 3779783.46 0.09513 (11061807) 460449.55
3779783.46 0.08264 (11061807)
460499.55 3779783.46 0.07234 (11061807) 460349.55

3779833.46 0.11475 (11061807)
460399.55 3779833.46 0.09619 (11061807) 460449.55
3779833.46 0.08150 (11061807)
460499.55 3779833.46 0.06971 (11061807) 460349.55
3779883.46 0.11346 (15102517)
460399.55 3779883.46 0.08939 (15102517) 460449.55
3779883.46 0.07125 (15102517)
460499.55 3779883.46 0.05795 (15102517) 460349.55
3779933.46 0.13898 (15102517)
460399.55 3779933.46 0.11222 (15102517) 460449.55
3779933.46 0.09139 (15102517)
460499.55 3779933.46 0.07597 (15102517) 460349.55
3779983.46 0.14215 (15102517)
460399.55 3779983.46 0.11957 (15102517) 460449.55
3779983.46 0.10099 (15102517)
460499.55 3779983.46 0.08576 (15102517) 460349.55
3780033.46 0.12360 (15102517)
460399.55 3780033.46 0.10893 (15102517) 460449.55
3780033.46 0.09658 (15102517)
460499.55 3780033.46 0.08504 (15102517) 460349.55
3780083.46 0.09077 (15102517)
460399.55 3780083.46 0.08594 (15102517) 460449.55
3780083.46 0.08018 (15102517)
460499.55 3780083.46 0.07423 (15102517) 460349.55
3780133.46 0.09017 (12091718)
460399.55 3780133.46 0.07754 (12091718) 460449.55
3780133.46 0.06786 (11063019)
460499.55 3780133.46 0.05965 (11063019) 460349.55
3780183.46 0.10396 (15092020)
460399.55 3780183.46 0.09329 (12091718) 460449.55
3780183.46 0.08159 (12091718)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286

, L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
460499.55	3780183.46	0.07162	(12091718)	460349.55	3780233.46	0.10411	(15092020)
460399.55	3780233.46	0.09603	(15092020)	460449.55	3780233.46	0.08073	(16102517)
460499.55	3780233.46	0.07353	(12091718)	460349.55	3780283.46	0.10550	(12091519)
460399.55	3780283.46	0.09736	(15092020)	460449.55	3780283.46	0.08792	(15092020)
460499.55	3780283.46	0.08177	(12071122)	460349.55	3780333.46	0.10377	(16062021)
460399.55	3780333.46	0.09566	(12091519)	460449.55	3780333.46	0.08666	(15062821)
460499.55	3780333.46	0.08177	(15092020)	460349.55	3780383.46	0.09812	(16062021)
460399.55	3780383.46	0.09370	(16062021)	460449.55	3780383.46	0.08594	(16072822)
460499.55	3780383.46	0.08184	(15062821)	460349.55	3780433.46	0.09594	(12080721)
460399.55	3780433.46	0.09093	(16062021)	460449.55	3780433.46	0.08554	(15102419)
460499.55	3780433.46	0.08137	(16072822)	460349.55	3780483.46	0.09301	(13062921)
460399.55	3780483.46	0.09104	(12080721)	460449.55	3780483.46	0.08654	(15062822)
460499.55	3780483.46	0.08065	(12081623)	459271.04	3777660.44	0.00858	(16012717)
459321.04	3777660.44	0.00857	(16012717)	459371.04	3777660.44	0.00826	(16012717)
459271.04	3777710.44	0.00885	(16012717)	459321.04	3777710.44	0.00893	(16012717)
459371.04	3777710.44	0.00869	(16012717)	459421.04	3777710.44	0.00816	(16012717)
459471.04	3777710.44	0.00740	(16012717)	459521.04	3777710.44	0.00646	(16012717)
459271.04	3777760.44	0.00910	(16012717)	459321.04	3777760.44	0.00929	(16012717)

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        459371.04   3777760.44        0.00913  (16012717)                459421.04
3777760.44        0.00866  (16012717)
        459471.04   3777760.44        0.00792  (16012717)                459521.04
3777760.44        0.00697  (16012717)
        459571.04   3777760.44        0.00593  (11112920)                459621.04
3777760.44        0.00603  (11090503)
        459671.04   3777760.44        0.00612  (11090503)                459721.04
3777760.44        0.00622  (15032520)
        459771.04   3777760.44        0.00650  (15032520)                459271.04
3777810.44        0.00932  (16012717)
        459321.04   3777810.44        0.00963  (16012717)                459371.04
3777810.44        0.00958  (16012717)
        459421.04   3777810.44        0.00916  (16012717)                459471.04
3777810.44        0.00848  (16012717)
        459521.04   3777810.44        0.00752  (16012717)                459571.04
3777810.44        0.00642  (16012717)
        459621.04   3777810.44        0.00621  (11090503)                459671.04
3777810.44        0.00633  (11090503)
        459721.04   3777810.44        0.00642  (15032520)                459771.04
3777810.44        0.00671  (15032520)
        459271.04   3777860.44        0.00954  (16012717)                459321.04
3777860.44        0.00997  (16012717)
        459371.04   3777860.44        0.01003  (16012717)                459421.04
3777860.44        0.00971  (16012717)
        459471.04   3777860.44        0.00907  (16012717)                459521.04
3777860.44        0.00811  (16012717)
        459571.04   3777860.44        0.00698  (16012717)                459621.04
3777860.44        0.00644  (11090503)
        459671.04   3777860.44        0.00656  (11090503)                459721.04
3777860.44        0.00664  (15032520)
        459771.04   3777860.44        0.00695  (15032520)                459271.04
3777910.44        0.00973  (16012717)
        459321.04   3777910.44        0.01031  (16012717)                459371.04
3777910.44        0.01048  (16012717)
        459421.04   3777910.44        0.01027  (16012717)                459471.04
3777910.44        0.00968  (16012717)
        459521.04   3777910.44        0.00874  (16012717)                459571.04
3777910.44        0.00758  (16012717)
        459621.04   3777910.44        0.00667  (11090503)                459671.04
3777910.44        0.00680  (11090503)
        459721.04   3777910.44        0.00686  (11090503)                459771.04
3777910.44        0.00718  (15032520)
        459271.04   3777960.44        0.00987  (16012717)                459321.04
3777960.44        0.01060  (16012717)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 , L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 , L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 , L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459371.04	3777960.44	0.01092	(16012717)	459421.04	3777960.44	0.01084	(16012717)
459471.04	3777960.44	0.01032	(16012717)	459521.04	3777960.44	0.00942	(16012717)
459571.04	3777960.44	0.00824	(16012717)	459621.04	3777960.44	0.00692	(16012717)
459671.04	3777960.44	0.00704	(11090503)	459721.04	3777960.44	0.00712	(11090503)
459771.04	3777960.44	0.00742	(15032520)	459271.04	3778010.44	0.00997	(16012717)
459321.04	3778010.44	0.01086	(16012717)	459371.04	3778010.44	0.01137	(16012717)
459421.04	3778010.44	0.01144	(16012717)	459471.04	3778010.44	0.01100	(16012717)
459521.04	3778010.44	0.01015	(16012717)	459571.04	3778010.44	0.00897	(16012717)
459621.04	3778010.44	0.00760	(16012717)	459671.04	3778010.44	0.00731	(11090503)
459721.04	3778010.44	0.00742	(11090503)	459771.04	3778010.44	0.00771	(15032520)
459271.04	3778060.44	0.01005	(16012717)	459321.04	3778060.44	0.01112	(16012717)
459371.04	3778060.44	0.01182	(16012717)	459421.04			

3778060.44 0.01203 (16012717)
459471.04 3778060.44 0.01173 (16012717) 459521.04
3778060.44 0.01095 (16012717)
459571.04 3778060.44 0.00977 (16012717) 459621.04
3778060.44 0.00834 (16012717)
459671.04 3778060.44 0.00758 (11090503) 459721.04
3778060.44 0.00771 (11090503)
459771.04 3778060.44 0.00800 (15032520) 459271.04
3778110.44 0.01008 (16012717)
459321.04 3778110.44 0.01136 (16012717) 459371.04
3778110.44 0.01224 (16012717)
459421.04 3778110.44 0.01265 (16012717) 459471.04
3778110.44 0.01250 (16012717)
459521.04 3778110.44 0.01180 (16012717) 459571.04
3778110.44 0.01065 (16012717)
459621.04 3778110.44 0.00917 (16012717) 459671.04
3778110.44 0.00786 (11090503)
459721.04 3778110.44 0.00800 (11090503) 459771.04
3778110.44 0.00828 (15032520)
459271.04 3778160.44 0.01008 (16012717) 459321.04
3778160.44 0.01155 (16012717)
459371.04 3778160.44 0.01263 (16012717) 459421.04
3778160.44 0.01327 (16012717)
459471.04 3778160.44 0.01330 (16012717) 459521.04
3778160.44 0.01271 (16012717)
459571.04 3778160.44 0.01160 (16012717) 459621.04
3778160.44 0.01008 (16012717)
459671.04 3778160.44 0.00839 (16012717) 459721.04
3778160.44 0.00835 (11090503)
459771.04 3778160.44 0.00862 (15032520) 459271.04
3778210.44 0.01003 (16012717)
459321.04 3778210.44 0.01170 (16012717) 459371.04
3778210.44 0.01300 (16012717)
459421.04 3778210.44 0.01388 (16012717) 459471.04
3778210.44 0.01412 (16012717)
459521.04 3778210.44 0.01367 (16012717) 459571.04
3778210.44 0.01262 (16012717)
459621.04 3778210.44 0.01109 (16012717) 459671.04
3778210.44 0.00930 (16012717)
459721.04 3778210.44 0.00868 (11090503) 459771.04
3778210.44 0.00895 (15032520)
459271.04 3778260.44 0.00991 (16012717) 459321.04
3778260.44 0.01178 (16012717)
459371.04 3778260.44 0.01334 (16012717) 459421.04
3778260.44 0.01447 (16012717)
459471.04 3778260.44 0.01494 (16012717) 459521.04
3778260.44 0.01468 (16012717)
459571.04 3778260.44 0.01371 (16012717) 459621.04

3778260.44 0.01218 (16012717)
459671.04 3778260.44 0.01031 (16012717) 459721.04
3778260.44 0.00905 (11090503)
459771.04 3778260.44 0.00930 (15032520) 459271.04
3778310.44 0.00972 (16012717)
459321.04 3778310.44 0.01179 (16012717) 459371.04
3778310.44 0.01363 (16012717)
459421.04 3778310.44 0.01502 (16012717) 459471.04
3778310.44 0.01576 (16012717)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

459471.04 3778360.44 0.01655 (16012717) 459521.04
3778360.44 0.01678 (16012717)
459571.04 3778360.44 0.01612 (16012717) 459621.04
3778360.44 0.01467 (16012717)
459671.04 3778360.44 0.01267 (16012717) 459721.04
3778360.44 0.01045 (16012717)
459771.04 3778360.44 0.01016 (11090503) 459271.04
3778410.44 0.00917 (16111318)
459321.04 3778410.44 0.01157 (16012717) 459371.04
3778410.44 0.01393 (16012717)
459421.04 3778410.44 0.01593 (16012717) 459471.04
3778410.44 0.01730 (16012717)
459521.04 3778410.44 0.01784 (16012717) 459571.04
3778410.44 0.01743 (16012717)
459621.04 3778410.44 0.01609 (16012717) 459671.04
3778410.44 0.01405 (16012717)
459721.04 3778410.44 0.01168 (16012717) 459771.04
3778410.44 0.01065 (11090503)
459271.04 3778460.44 0.00957 (16111318) 459321.04
3778460.44 0.01132 (16012717)
459371.04 3778460.44 0.01396 (16012717) 459421.04
3778460.44 0.01634 (16012717)
459471.04 3778460.44 0.01808 (16012717) 459521.04
3778460.44 0.01893 (16012717)
459571.04 3778460.44 0.01877 (16012717) 459621.04
3778460.44 0.01762 (16012717)
459671.04 3778460.44 0.01557 (16012717) 459721.04
3778460.44 0.01307 (16012717)
459771.04 3778460.44 0.01121 (11090503) 459271.04
3778510.44 0.00997 (16111318)
459321.04 3778510.44 0.01099 (16012717) 459371.04
3778510.44 0.01387 (16012717)
459421.04 3778510.44 0.01659 (16012717) 459471.04
3778510.44 0.01878 (16012717)
459521.04 3778510.44 0.02009 (16012717) 459571.04
3778510.44 0.02022 (16012717)
459621.04 3778510.44 0.01926 (16012717) 459671.04
3778510.44 0.01725 (16012717)
459721.04 3778510.44 0.01461 (16012717) 459771.04
3778510.44 0.01214 (16012717)
459271.04 3778560.44 0.01040 (16110818) 459321.04
3778560.44 0.01063 (16111318)
459371.04 3778560.44 0.01365 (16012717) 459421.04
3778560.44 0.01672 (16012717)
459471.04 3778560.44 0.01936 (16012717) 459521.04
3778560.44 0.02114 (16012717)
459571.04 3778560.44 0.02174 (16012717) 459621.04
3778560.44 0.02103 (16012717)

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        459671.04   3778560.44        0.01910  (16012717)                459721.04
3778560.44        0.01636  (16012717)
        459771.04   3778560.44        0.01364  (16012717)                459271.04
3778610.44        0.01068  (16110818)
        459321.04   3778610.44        0.01096  (16111318)                459371.04
3778610.44        0.01330  (16012717)
        459421.04   3778610.44        0.01671  (16012717)                459471.04
3778610.44        0.01981  (16012717)
        459521.04   3778610.44        0.02212  (16012717)                459571.04
3778610.44        0.02324  (16012717)
        459621.04   3778610.44        0.02288  (16012717)                459671.04
3778610.44        0.02112  (16012717)
        459721.04   3778610.44        0.01832  (16012717)                459771.04
3778610.44        0.01535  (16012717)
        459271.04   3778660.44        0.01137  (16110818)                459321.04
3778660.44        0.01171  (16110818)
        459371.04   3778660.44        0.01285  (16012717)                459421.04
3778660.44        0.01661  (16012717)
        459471.04   3778660.44        0.02021  (16012717)                459521.04
3778660.44        0.02309  (16012717)
        459571.04   3778660.44        0.02474  (16012717)                459621.04
3778660.44        0.02485  (16012717)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:11:17

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

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
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3778860.44 0.03214 (16012717)
459771.04 3778860.44 0.02840 (16012717) 459271.04
3778910.44 0.01475 (16020918)
459321.04 3778910.44 0.01512 (13111322) 459371.04
3778910.44 0.01551 (12092002)
459421.04 3778910.44 0.01598 (16110818) 459471.04
3778910.44 0.01911 (16012717)
459521.04 3778910.44 0.02537 (16012717) 459571.04
3778910.44 0.03120 (16012717)
459621.04 3778910.44 0.03545 (16012717) 459671.04
3778910.44 0.03715 (16012717)
459721.04 3778910.44 0.03587 (16012717) 459771.04
3778910.44 0.03222 (16012717)
459271.04 3778960.44 0.01576 (16020918) 459321.04
3778960.44 0.01611 (16020918)
459371.04 3778960.44 0.01655 (13111322) 459421.04
3778960.44 0.01700 (12092002)
459471.04 3778960.44 0.01820 (16012717) 459521.04
3778960.44 0.02510 (16012717)
459571.04 3778960.44 0.03196 (16012717) 459621.04
3778960.44 0.03748 (16012717)
459671.04 3778960.44 0.04039 (16012717) 459721.04
3778960.44 0.03997 (16012717)
459771.04 3778960.44 0.03658 (16012717) 459271.04
3779010.44 0.01657 (16020918)
459321.04 3779010.44 0.01723 (16020918) 459371.04
3779010.44 0.01764 (13111322)
459421.04 3779010.44 0.01820 (12092002) 459471.04
3779010.44 0.01883 (12121616)
459521.04 3779010.44 0.02448 (16012717) 459571.04
3779010.44 0.03238 (16012717)
459621.04 3779010.44 0.03932 (16012717) 459671.04
3779010.44 0.04370 (16012717)
459721.04 3779010.44 0.04442 (16012717) 459771.04
3779010.44 0.04152 (16012717)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270

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, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        459271.04   3779060.44        0.01763  (16020919)                459321.04
3779060.44        0.01825  (16020918)
        459371.04   3779060.44        0.01891  (16020918)                459421.04
3779060.44        0.01948  (13111322)
        459471.04   3779060.44        0.02009  (12092002)                459521.04
3779060.44        0.02348  (16012717)
        459571.04   3779060.44        0.03241  (16012717)                459621.04
3779060.44        0.04089  (16012717)
        459671.04   3779060.44        0.04701  (16012717)                459721.04
3779060.44        0.04921  (16012717)
        459771.04   3779060.44        0.04713  (16012717)                459271.04
3779110.44        0.01865  (16020919)
        459321.04   3779110.44        0.01943  (16020919)                459371.04
3779110.44        0.02021  (16020918)
        459421.04   3779110.44        0.02089  (16020918)                459471.04
3779110.44        0.02157  (12092002)
        459521.04   3779110.44        0.02321  (12121616)                459571.04
3779110.44        0.03198  (16012717)
        459621.04   3779110.44        0.04209  (16012717)                459671.04
3779110.44        0.05022  (16012717)
        459721.04   3779110.44        0.05431  (16012717)                459771.04
3779110.44        0.05342  (16012717)
        459271.04   3779160.44        0.01942  (16020919)                459321.04
3779160.44        0.02070  (16020919)
        459371.04   3779160.44        0.02157  (16020919)                459421.04
3779160.44        0.02252  (16020918)
        459471.04   3779160.44        0.02325  (13111322)                459521.04
3779160.44        0.02451  (12121616)
        459571.04   3779160.44        0.03102  (16012717)                459621.04
3779160.44        0.04279  (16012717)
        459671.04   3779160.44        0.05323  (16012717)                459721.04
3779160.44        0.05968  (16012717)
```

459771.04 3779160.44 0.06045 (16012717) 459271.04
3779210.44 0.02100 (11092608)
459321.04 3779210.44 0.02170 (16020919) 459371.04
3779210.44 0.02317 (16020919)
459421.04 3779210.44 0.02418 (13020917) 459471.04
3779210.44 0.02524 (16020918)
459521.04 3779210.44 0.02618 (13111322) 459571.04
3779210.44 0.02947 (16012717)
459621.04 3779210.44 0.04286 (16012717) 459671.04
3779210.44 0.05591 (16012717)
459721.04 3779210.44 0.06524 (16012717) 459771.04
3779210.44 0.06830 (16012717)
459271.04 3779260.44 0.02738 (11092608) 459321.04
3779260.44 0.02466 (11092608)
459371.04 3779260.44 0.02447 (16020919) 459421.04
3779260.44 0.02618 (13020917)
459471.04 3779260.44 0.02764 (13020917) 459521.04
3779260.44 0.02861 (16020918)
459571.04 3779260.44 0.03111 (12121616) 459621.04
3779260.44 0.04221 (16012717)
459671.04 3779260.44 0.05807 (16012717) 459721.04
3779260.44 0.07084 (16012717)
459771.04 3779260.44 0.07698 (16012717) 459271.04
3779310.44 0.03340 (11092608)
459321.04 3779310.44 0.03213 (11092608) 459371.04
3779310.44 0.02927 (11092608)
459421.04 3779310.44 0.02768 (16020919) 459471.04
3779310.44 0.03040 (13020917)
459521.04 3779310.44 0.03189 (13020917) 459571.04
3779310.44 0.03248 (13111322)
459621.04 3779310.44 0.04067 (16012717) 459671.04
3779310.44 0.05950 (16012717)
459721.04 3779310.44 0.07638 (16012717) 459771.04
3779310.44 0.08652 (16012717)
459271.04 3779360.44 0.03782 (11092608) 459321.04
3779360.44 0.03893 (11092608)
459371.04 3779360.44 0.03810 (11092608) 459421.04
3779360.44 0.03526 (11092608)
459471.04 3779360.44 0.03209 (13020917) 459521.04
3779360.44 0.03570 (13020917)
459571.04 3779360.44 0.03708 (13020917) 459621.04
3779360.44 0.04081 (12121616)
459671.04 3779360.44 0.05989 (16012717) 459721.04
3779360.44 0.08164 (16012717)
459771.04 3779360.44 0.09690 (16012717) 459271.04
3779410.44 0.03942 (11092608)
459321.04 3779410.44 0.04349 (11092608) 459371.04
3779410.44 0.04586 (11092608)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 , L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 , L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 , L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459421.04	3779410.44	0.04594	(11092608)	459471.04	3779410.44	0.04335	(11092608)
459521.04	3779410.44	0.03827	(13020917)	459571.04	3779410.44	0.04248	(13020917)
459621.04	3779410.44	0.04364	(13020917)	459671.04	3779410.44	0.05898	(16012717)
459721.04	3779410.44	0.08627	(16012717)	459771.04	3779410.44	0.10813	(16012717)
459271.04	3779460.44	0.03748	(11092608)	459321.04	3779460.44	0.04440	(11092608)
459371.04	3779460.44	0.05054	(11092608)	459421.04	3779460.44	0.05492	(11092608)
459471.04	3779460.44	0.05649	(11092608)	459521.04	3779460.44	0.05451	(11092608)
459571.04	3779460.44	0.04888	(11092608)	459621.04	3779460.44	0.05135	(13020917)
459671.04	3779460.44	0.05641	(16012717)	459721.04	3779460.44	0.08984	(16012717)
459771.04	3779460.44	0.12027	(16012717)	459271.04			

3779510.44 0.03217 (11092608)
459321.04 3779510.44 0.04097 (11092608) 459371.04
3779510.44 0.05042 (11092608)
459421.04 3779510.44 0.05952 (11092608) 459471.04
3779510.44 0.06690 (11092608)
459521.04 3779510.44 0.07095 (11092608) 459571.04
3779510.44 0.07025 (11092608)
459621.04 3779510.44 0.06418 (11092608) 459671.04
3779510.44 0.06339 (13020917)
459721.04 3779510.44 0.09167 (16012717) 459771.04
3779510.44 0.13329 (16012717)
459271.04 3779560.44 0.03070 (15100820) 459321.04
3779560.44 0.03374 (11092608)
459371.04 3779560.44 0.04490 (11092608) 459421.04
3779560.44 0.05768 (11092608)
459471.04 3779560.44 0.07096 (11092608) 459521.04
3779560.44 0.08290 (11092608)
459571.04 3779560.44 0.09106 (11092608) 459621.04
3779560.44 0.09288 (11092608)
459671.04 3779560.44 0.08686 (11092608) 459721.04
3779560.44 0.09082 (16012717)
459771.04 3779560.44 0.14702 (16012717) 459271.04
3779610.44 0.03161 (15100820)
459321.04 3779610.44 0.03501 (15100820) 459371.04
3779610.44 0.03866 (15100820)
459421.04 3779610.44 0.04916 (11092608) 459471.04
3779610.44 0.06628 (11092608)
459521.04 3779610.44 0.08548 (11092608) 459571.04
3779610.44 0.10451 (11092608)
459621.04 3779610.44 0.11977 (11092608) 459671.04
3779610.44 0.12691 (11092608)
459721.04 3779610.44 0.12241 (11092608) 459771.04
3779610.44 0.16063 (16012717)
459271.04 3779660.44 0.03278 (15031403) 459321.04
3779660.44 0.03612 (15031403)
459371.04 3779660.44 0.03986 (15110422) 459421.04
3779660.44 0.04493 (15100820)
459471.04 3779660.44 0.05346 (11092608) 459521.04
3779660.44 0.07622 (11092608)
459571.04 3779660.44 0.10393 (11092608) 459621.04
3779660.44 0.13438 (11092608)
459671.04 3779660.44 0.16292 (11092608) 459721.04
3779660.44 0.18208 (11092608)
459771.04 3779660.44 0.18383 (11092608) 459271.04
3779710.44 0.03399 (13112718)
459321.04 3779710.44 0.03758 (11011621) 459371.04
3779710.44 0.04187 (11011621)
459421.04 3779710.44 0.04679 (11011621) 459471.04

3779710.44 0.05305 (15031403)
459521.04 3779710.44 0.06080 (15100820) 459571.04
3779710.44 0.08748 (11092608)
459621.04 3779710.44 0.12778 (11092608) 459671.04
3779710.44 0.17778 (11092608)
459721.04 3779710.44 0.23389 (11092608) 459771.04
3779710.44 0.28562 (11092608)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- - - -

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        460204.12   3779984.84        0.08283  (12050124)                460254.12
3779984.84        0.06056  (12050124)
        460304.12   3779984.84        0.04850  (13111624)                460204.12
3780034.84        0.08034m (16031424)
        460254.12   3780034.84        0.06240m (12042324)                460304.12
3780034.84        0.05033m (12042324)
        460204.12   3780084.84        0.07901m (16031424)                460254.12
3780084.84        0.06235m (16031424)
        460304.12   3780084.84        0.05091m (12042324)                460204.12
3780134.84        0.07615m (16031424)
        460254.12   3780134.84        0.06342m (16031424)                460304.12
3780134.84        0.05212m (16031424)
        460204.12   3780184.84        0.07097  (12120224)                460254.12
3780184.84        0.06130m (16031424)
        460304.12   3780184.84        0.05804m (16031424)                460204.12
3780234.84        0.06103  (12120224)
        460254.12   3780234.84        0.05881  (12120224)                460304.12
3780234.84        0.05527m (16031424)
        460204.12   3780284.84        0.05044  (12120224)                460254.12
3780284.84        0.05285  (12120224)
        460304.12   3780284.84        0.05275  (12120224)                460204.12
3780334.84        0.04037  (12120224)
        460254.12   3780334.84        0.04419  (12120224)                460304.12
3780334.84        0.04635  (12120224)
        460204.12   3780384.84        0.03204  (12120224)                460254.12
3780384.84        0.03609  (12120224)
        460304.12   3780384.84        0.03926  (12120224)                460204.12
3780434.84        0.02642  (13120724)
        460254.12   3780434.84        0.02932  (12120224)                460304.12
3780434.84        0.03290  (12120224)
        460204.12   3780484.84        0.02447  (13120724)                460254.12
3780484.84        0.02367  (12120224)
        460304.12   3780484.84        0.02704  (12120224)                460349.55
3779783.46        0.03622  (16051524)
        460399.55   3779783.46        0.03074  (16051524)                460449.55
3779783.46        0.02649  (16051524)
        460499.55   3779783.46        0.02311  (16051524)                460349.55
3779833.46        0.04427  (16051524)
        460399.55   3779833.46        0.03684  (16051524)                460449.55
3779833.46        0.03122  (16051524)
        460499.55   3779833.46        0.02697  (16051524)                460349.55
3779883.46        0.04809  (16051524)
        460399.55   3779883.46        0.03998  (16051524)                460449.55
3779883.46        0.03374  (16051524)
        460499.55   3779883.46        0.02898  (16051524)                460349.55
3779933.46        0.04670  (16051524)
        460399.55   3779933.46        0.03912  (16051524)                460449.55
3779933.46        0.03330  (16051524)
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        460499.55   3779933.46        0.02879  (16051524)                460349.55
3779983.46        0.04053  (13111624)
        460399.55   3779983.46        0.03462  (16051524)                460449.55
3779983.46        0.03003  (16051524)
        460499.55   3779983.46        0.02632  (16051524)                460349.55
3780033.46        0.04019m (12042324)
        460399.55   3780033.46        0.03204  (13111624)                460449.55
3780033.46        0.02887  (13111624)
        460499.55   3780033.46        0.02421  (13111624)                460349.55
3780083.46        0.04383m (12042324)
        460399.55   3780083.46        0.03716m (12042324)                460449.55
3780083.46        0.03075m (12042324)
        460499.55   3780083.46        0.02672  (13111624)                460349.55
3780133.46        0.04331m (16031424)
        460399.55   3780133.46        0.03688m (12042324)                460449.55
3780133.46        0.03264m (12042324)
        460499.55   3780133.46        0.02830m (12042324)                460349.55
3780183.46        0.04934m (16031424)
        460399.55   3780183.46        0.04115m (16031424)                460449.55
3780183.46        0.03532m (12042324)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - -
        460499.55   3780183.46        0.03188m (12042324)                 460349.55
3780233.46        0.04972m (16031424)
        460399.55   3780233.46        0.04358m (16031424)                 460449.55
3780233.46        0.03518m (16031424)
        460499.55   3780233.46        0.03035m (12042324)                 460349.55
3780283.46        0.04970  (12120224)
        460399.55   3780283.46        0.04473  (12120224)                 460449.55
3780283.46        0.03825m (16031424)
        460499.55   3780283.46        0.03321m (16031424)                 460349.55
3780333.46        0.04612  (12120224)
        460399.55   3780333.46        0.04370  (12120224)                 460449.55
3780333.46        0.03895  (12120224)
        460499.55   3780333.46        0.03486  (12120224)                 460349.55
3780383.46        0.04075  (12120224)
        460399.55   3780383.46        0.04068  (12120224)                 460449.55
3780383.46        0.03825  (12120224)
        460499.55   3780383.46        0.03557  (12120224)                 460349.55
3780433.46        0.03535  (12120224)
        460399.55   3780433.46        0.03659  (12120224)                 460449.55
3780433.46        0.03622  (12120224)
        460499.55   3780433.46        0.03491  (12120224)                 460349.55
3780483.46        0.02981  (12120224)
        460399.55   3780483.46        0.03207  (12120224)                 460449.55
3780483.46        0.03304  (12120224)
        460499.55   3780483.46        0.03260  (12120224)                 459271.04
3777660.44        0.00170m (11122824)
        459321.04   3777660.44        0.00172m (11122824)                 459371.04
3777660.44        0.00173m (11122824)
        459271.04   3777710.44        0.00175  (13111324)                 459321.04
3777710.44        0.00178m (11122824)
        459371.04   3777710.44        0.00178m (11122824)                 459421.04
3777710.44        0.00179m (11122824)
        459471.04   3777710.44        0.00181m (11122824)                 459521.04
3777710.44        0.00181m (11122824)
        459271.04   3777760.44        0.00182  (13111324)                 459321.04
3777760.44        0.00183m (11122824)
        459371.04   3777760.44        0.00184m (11122824)                 459421.04
3777760.44        0.00185m (11122824)
        459471.04   3777760.44        0.00188m (11122824)                 459521.04
3777760.44        0.00188m (11122824)
        459571.04   3777760.44        0.00187m (11122824)                 459621.04
3777760.44        0.00190m (15010924)
        459671.04   3777760.44        0.00196m (15010924)                 459721.04
3777760.44        0.00207m (15010924)
        459771.04   3777760.44        0.00247m (15010924)                 459271.04
3777810.44        0.00189  (13111324)
        459321.04   3777810.44        0.00189m (11122824)                 459371.04
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3777810.44 0.00191m (11122824)
459421.04 3777810.44 0.00191m (11122824) 459471.04
3777810.44 0.00195m (11122824)
459521.04 3777810.44 0.00196m (11122824) 459571.04
3777810.44 0.00195m (11122824)
459621.04 3777810.44 0.00197m (15010924) 459671.04
3777810.44 0.00204m (15010924)
459721.04 3777810.44 0.00215m (15010924) 459771.04
3777810.44 0.00254m (15010924)
459271.04 3777860.44 0.00198 (13111324) 459321.04
3777860.44 0.00196m (11122824)
459371.04 3777860.44 0.00198m (11122824) 459421.04
3777860.44 0.00199m (11122824)
459471.04 3777860.44 0.00204m (11122824) 459521.04
3777860.44 0.00204m (11122824)
459571.04 3777860.44 0.00204m (11122824) 459621.04
3777860.44 0.00205m (15010924)
459671.04 3777860.44 0.00212m (15010924) 459721.04
3777860.44 0.00223m (15010924)
459771.04 3777860.44 0.00262m (15010924) 459271.04
3777910.44 0.00209 (13111324)
459321.04 3777910.44 0.00207 (13111324) 459371.04
3777910.44 0.00206m (11122824)
459421.04 3777910.44 0.00208m (11122824) 459471.04
3777910.44 0.00212m (11122824)
459521.04 3777910.44 0.00212m (11122824) 459571.04
3777910.44 0.00212m (11122824)
459621.04 3777910.44 0.00214m (15010924) 459671.04
3777910.44 0.00220m (15010924)
459721.04 3777910.44 0.00232m (15010924) 459771.04
3777910.44 0.00270m (15010924)
459271.04 3777960.44 0.00218 (13111324) 459321.04
3777960.44 0.00216 (13111324)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** ***
*** 16:11:17

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278

, L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286
, L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459371.04	3777960.44	0.00213m	(11122824)	459421.04	3777960.44	0.00218m	(11122824)
459471.04	3777960.44	0.00220m	(11122824)	459521.04	3777960.44	0.00222m	(11122824)
459571.04	3777960.44	0.00222m	(11122824)	459621.04	3777960.44	0.00222m	(15010924)
459671.04	3777960.44	0.00229m	(15010924)	459721.04	3777960.44	0.00241m	(15010924)
459771.04	3777960.44	0.00279m	(15010924)	459271.04	3778010.44	0.00227	(13111324)
459321.04	3778010.44	0.00224	(13111324)	459371.04	3778010.44	0.00223m	(11122824)
459421.04	3778010.44	0.00228m	(11122824)	459471.04	3778010.44	0.00229m	(11122824)
459521.04	3778010.44	0.00231m	(11122824)	459571.04	3778010.44	0.00232m	(11122824)
459621.04	3778010.44	0.00232m	(15010924)	459671.04	3778010.44	0.00239m	(15010924)
459721.04	3778010.44	0.00251m	(15010924)	459771.04	3778010.44	0.00289m	(15010924)
459271.04	3778060.44	0.00237m	(11010224)	459321.04	3778060.44	0.00235	(13111324)
459371.04	3778060.44	0.00234	(13111324)	459421.04	3778060.44	0.00236m	(11122824)
459471.04	3778060.44	0.00239m	(11122824)	459521.04	3778060.44	0.00241m	(11122824)
459571.04	3778060.44	0.00242m	(11122824)	459621.04	3778060.44	0.00242m	(15010924)
459671.04	3778060.44	0.00249m	(15010924)	459721.04	3778060.44	0.00261m	(15010924)
459771.04	3778060.44	0.00299m	(15010924)	459271.04	3778110.44	0.00249m	(11010224)
459321.04	3778110.44	0.00248	(13111324)	459371.04	3778110.44	0.00245	(13111324)

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        459421.04   3778110.44        0.00246m (11122824)                459471.04
3778110.44        0.00250m (11122824)
        459521.04   3778110.44        0.00252m (11122824)                459571.04
3778110.44        0.00253m (11122824)
        459621.04   3778110.44        0.00252m (15010924)                459671.04
3778110.44        0.00260m (15010924)
        459721.04   3778110.44        0.00272m (15010924)                459771.04
3778110.44        0.00309m (15010924)
        459271.04   3778160.44        0.00263m (11010224)                459321.04
3778160.44        0.00260m (11010224)
        459371.04   3778160.44        0.00254  (13111324)                459421.04
3778160.44        0.00256m (11122824)
        459471.04   3778160.44        0.00261m (11122824)                459521.04
3778160.44        0.00263m (11122824)
        459571.04   3778160.44        0.00265m (11122824)                459621.04
3778160.44        0.00264m (11122824)
        459671.04   3778160.44        0.00271m (15010924)                459721.04
3778160.44        0.00284m (15010924)
        459771.04   3778160.44        0.00321m (15010924)                459271.04
3778210.44        0.00277m (11010224)
        459321.04   3778210.44        0.00274m (11010224)                459371.04
3778210.44        0.00266  (13111324)
        459421.04   3778210.44        0.00268  (13111324)                459471.04
3778210.44        0.00272m (11122824)
        459521.04   3778210.44        0.00275m (11122824)                459571.04
3778210.44        0.00277m (11122824)
        459621.04   3778210.44        0.00277m (11122824)                459671.04
3778210.44        0.00284m (15010924)
        459721.04   3778210.44        0.00296m (15010924)                459771.04
3778210.44        0.00334m (15010924)
        459271.04   3778260.44        0.00291m (11010224)                459321.04
3778260.44        0.00290m (11010224)
        459371.04   3778260.44        0.00282m (11010224)                459421.04
3778260.44        0.00282  (13111324)
        459471.04   3778260.44        0.00284m (11122824)                459521.04
3778260.44        0.00288m (11122824)
        459571.04   3778260.44        0.00290m (11122824)                459621.04
3778260.44        0.00291m (11122824)
        459671.04   3778260.44        0.00297m (15010924)                459721.04
3778260.44        0.00310m (15010924)
        459771.04   3778260.44        0.00347m (15010924)                459271.04
3778310.44        0.00306m (11010224)
        459321.04   3778310.44        0.00305m (11010224)                459371.04
3778310.44        0.00301m (11010224)
        459421.04   3778310.44        0.00297  (13111324)                459471.04
3778310.44        0.00295m (11122824)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 , L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 , L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 , L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
459521.04	3778310.44	0.00301m	(11122824)	459571.04	3778310.44	0.00304m	(11122824)
459621.04	3778310.44	0.00305m	(11122824)	459671.04	3778310.44	0.00312m	(15010924)
459721.04	3778310.44	0.00325m	(15010924)	459771.04	3778310.44	0.00362m	(15010924)
459271.04	3778360.44	0.00321m	(11010224)	459321.04	3778360.44	0.00321m	(11010224)
459371.04	3778360.44	0.00314m	(11010224)	459421.04	3778360.44	0.00313m	(11010224)
459471.04	3778360.44	0.00310	(13111324)	459521.04	3778360.44	0.00315m	(11122824)
459571.04	3778360.44	0.00319m	(11122824)	459621.04	3778360.44	0.00321m	(11122824)
459671.04	3778360.44	0.00328m	(15010924)	459721.04	3778360.44	0.00342m	(15010924)
459771.04	3778360.44	0.00379m	(15010924)	459271.04	3778410.44	0.00338m	(11010224)
459321.04	3778410.44	0.00341m	(11010224)	459371.04	3778410.44	0.00339m	(11010224)
459421.04	3778410.44	0.00333m	(11010224)	459471.04			

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3778410.44        0.00326m (11010224)
        459521.04   3778410.44        0.00327m (11122824)                459571.04
3778410.44        0.00335m (11122824)
        459621.04   3778410.44        0.00339m (11122824)                459671.04
3778410.44        0.00346m (15010924)
        459721.04   3778410.44        0.00360m (15010924)                459771.04
3778410.44        0.00397m (15010924)
        459271.04   3778460.44        0.00356m (11010224)                459321.04
3778460.44        0.00360m (11010224)
        459371.04   3778460.44        0.00361m (11010224)                459421.04
3778460.44        0.00359m (11010224)
        459471.04   3778460.44        0.00352m (11010224)                459521.04
3778460.44        0.00343m (11122824)
        459571.04   3778460.44        0.00350m (11122824)                459621.04
3778460.44        0.00359m (11122824)
        459671.04   3778460.44        0.00365m (15010924)                459721.04
3778460.44        0.00379m (15010924)
        459771.04   3778460.44        0.00416m (15010924)                459271.04
3778510.44        0.00375m (11010224)
        459321.04   3778510.44        0.00381m (11010224)                459371.04
3778510.44        0.00383m (11010224)
        459421.04   3778510.44        0.00382m (11010224)                459471.04
3778510.44        0.00379m (11010224)
        459521.04   3778510.44        0.00373m (11010224)                459571.04
3778510.44        0.00371  (16012724)
        459621.04   3778510.44        0.00379m (11122824)                459671.04
3778510.44        0.00386m (15010924)
        459721.04   3778510.44        0.00400m (15010924)                459771.04
3778510.44        0.00438m (15010924)
        459271.04   3778560.44        0.00392m (11010224)                459321.04
3778560.44        0.00400m (11010224)
        459371.04   3778560.44        0.00405m (11010224)                459421.04
3778560.44        0.00405m (11010224)
        459471.04   3778560.44        0.00404m (11010224)                459521.04
3778560.44        0.00398m (11010224)
        459571.04   3778560.44        0.00396m (11122824)                459621.04
3778560.44        0.00403m (11122824)
        459671.04   3778560.44        0.00409m (15010924)                459721.04
3778560.44        0.00424m (15010924)
        459771.04   3778560.44        0.00461m (15010924)                459271.04
3778610.44        0.00405m (11010224)
        459321.04   3778610.44        0.00418m (11010224)                459371.04
3778610.44        0.00427m (11010224)
        459421.04   3778610.44        0.00429m (11010224)                459471.04
3778610.44        0.00428m (11010224)
        459521.04   3778610.44        0.00425m (11010224)                459571.04
3778610.44        0.00420m (11010224)
        459621.04   3778610.44        0.00428  (16012724)                459671.04
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3778610.44 0.00434m (15010924)
459721.04 3778610.44 0.00449m (15010924) 459771.04
3778610.44 0.00488m (15010924)
459271.04 3778660.44 0.00431m (11010224) 459321.04
3778660.44 0.00446m (11010224)
459371.04 3778660.44 0.00456m (11010224) 459421.04
3778660.44 0.00462m (11010224)
459471.04 3778660.44 0.00464m (11010224) 459521.04
3778660.44 0.00460m (11010224)
459571.04 3778660.44 0.00452m (11010224) 459621.04
3778660.44 0.00456 (16012724)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262 , L0008263 , L0008264 , L0008265 ,
L0008266 , L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , L0008272 , L0008273 ,
L0008274 , L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , L0008280 , L0008281 ,
L0008282 , L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , L0008288 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
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        459521.04   3778710.44        0.00495m (11010224)                 459571.04
3778710.44        0.00489m (11010224)
        459621.04   3778710.44        0.00487  (16012724)                 459671.04
3778710.44        0.00493  (16012724)
        459721.04   3778710.44        0.00510m (15010924)                 459771.04
3778710.44        0.00549m (15010924)
        459271.04   3778760.44        0.00489  (13120824)                 459321.04
3778760.44        0.00495  (13120824)
        459371.04   3778760.44        0.00511m (11010224)                 459421.04
3778760.44        0.00524m (11010224)
        459471.04   3778760.44        0.00532m (11010224)                 459521.04
3778760.44        0.00534m (11010224)
        459571.04   3778760.44        0.00531m (11010224)                 459621.04
3778760.44        0.00520m (11010224)
        459671.04   3778760.44        0.00529  (16012724)                 459721.04
3778760.44        0.00546m (15010924)
        459771.04   3778760.44        0.00586m (15010924)                 459271.04
3778810.44        0.00520  (13120824)
        459321.04   3778810.44        0.00529  (13120824)                 459371.04
3778810.44        0.00540m (11010224)
        459421.04   3778810.44        0.00558m (11010224)                 459471.04
3778810.44        0.00571m (11010224)
        459521.04   3778810.44        0.00576m (11010224)                 459571.04
3778810.44        0.00574m (11010224)
        459621.04   3778810.44        0.00567m (11010224)                 459671.04
3778810.44        0.00569  (16012724)
        459721.04   3778810.44        0.00586m (15010924)                 459771.04
3778810.44        0.00627m (15010924)
        459271.04   3778860.44        0.00549  (13120824)                 459321.04
3778860.44        0.00563  (13120824)
        459371.04   3778860.44        0.00572  (13120824)                 459421.04
3778860.44        0.00592m (11010224)
        459471.04   3778860.44        0.00610m (11010224)                 459521.04
3778860.44        0.00620m (11010224)
        459571.04   3778860.44        0.00621m (11010224)                 459621.04
3778860.44        0.00617m (11010224)
        459671.04   3778860.44        0.00613  (16012724)                 459721.04
3778860.44        0.00631m (15010924)
        459771.04   3778860.44        0.00674m (15010924)                 459271.04
3778910.44        0.00578  (13120824)
        459321.04   3778910.44        0.00599  (13120824)                 459371.04
3778910.44        0.00613  (13120824)
        459421.04   3778910.44        0.00627m (11010224)                 459471.04
3778910.44        0.00651m (11010224)
        459521.04   3778910.44        0.00667m (11010224)                 459571.04
3778910.44        0.00675m (11010224)
        459621.04   3778910.44        0.00674m (11010224)                 459671.04
3778910.44        0.00665m (11010224)
```

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        459721.04   3778910.44        0.00682m (15010924)                459771.04
3778910.44        0.00727m (15010924)
        459271.04   3778960.44        0.00613  (13120824)                459321.04
3778960.44        0.00640  (13120824)
        459371.04   3778960.44        0.00661  (13120824)                459421.04
3778960.44        0.00675  (13120824)
        459471.04   3778960.44        0.00699m (11010224)                459521.04
3778960.44        0.00722m (11010224)
        459571.04   3778960.44        0.00736m (11010224)                459621.04
3778960.44        0.00740m (11010224)
        459671.04   3778960.44        0.00734m (11010224)                459721.04
3778960.44        0.00741m (15010924)
        459771.04   3778960.44        0.00788m (15010924)                459271.04
3779010.44        0.00643  (13120824)
        459321.04   3779010.44        0.00678  (13120824)                459371.04
3779010.44        0.00707  (13120824)
        459421.04   3779010.44        0.00730  (13120824)                459471.04
3779010.44        0.00749m (11010224)
        459521.04   3779010.44        0.00781m (11010224)                459571.04
3779010.44        0.00801m (11010224)
        459621.04   3779010.44        0.00813m (11010224)                459671.04
3779010.44        0.00812m (11010224)
        459721.04   3779010.44        0.00808m (15010924)                459771.04
3779010.44        0.00859m (15010924)
```



```
                            *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0008261    , L0008262
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
        459271.04   3779060.44        0.00672  (13120824)                459321.04
3779060.44        0.00716  (13120824)
        459371.04   3779060.44        0.00755  (13120824)                459421.04
3779060.44        0.00788  (13120824)
        459471.04   3779060.44        0.00810  (13120824)                459521.04
3779060.44        0.00842m (11010224)
        459571.04   3779060.44        0.00873m (11010224)                459621.04
3779060.44        0.00894m (11010224)
        459671.04   3779060.44        0.00900m (11010224)                459721.04
3779060.44        0.00892m (11010224)
        459771.04   3779060.44        0.00941m (15010924)                459271.04
3779110.44        0.00699  (13120824)
        459321.04   3779110.44        0.00753  (13120824)                459371.04
3779110.44        0.00804  (13120824)
        459421.04   3779110.44        0.00847  (13120824)                459471.04
3779110.44        0.00882  (13120824)
        459521.04   3779110.44        0.00908m (11010224)                459571.04
3779110.44        0.00953m (11010224)
        459621.04   3779110.44        0.00985m (11010224)                459671.04
3779110.44        0.01000m (11010224)
        459721.04   3779110.44        0.00999m (11010224)                459771.04
3779110.44        0.01037m (15010924)
        459271.04   3779160.44        0.00722  (13120824)                459321.04
3779160.44        0.00788  (13120824)
        459371.04   3779160.44        0.00852  (13120824)                459421.04
3779160.44        0.00908  (13120824)
        459471.04   3779160.44        0.00957  (13120824)                459521.04
3779160.44        0.00992  (13120824)
        459571.04   3779160.44        0.01039m (11010224)                459621.04
3779160.44        0.01086m (11010224)
        459671.04   3779160.44        0.01114m (11010224)                459721.04
3779160.44        0.01124m (11010224)
        459771.04   3779160.44        0.01149m (15010924)                459271.04
3779210.44        0.00744  (13120824)
        459321.04   3779210.44        0.00820  (13120824)                459371.04
3779210.44        0.00898  (13120824)
        459421.04   3779210.44        0.00970  (13120824)                459471.04
3779210.44        0.01036  (13120824)
        459521.04   3779210.44        0.01090  (13120824)                459571.04
3779210.44        0.01132m (11010224)
        459621.04   3779210.44        0.01197m (11010224)                459671.04
3779210.44        0.01246m (11010224)
        459721.04   3779210.44        0.01271m (11010224)                459771.04
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3779210.44 0.01284m (15010924)
459271.04 3779260.44 0.00768 (11110924) 459321.04
3779260.44 0.00849 (13120824)
459371.04 3779260.44 0.00941 (13120824) 459421.04
3779260.44 0.01030 (13120824)
459471.04 3779260.44 0.01116 (13120824) 459521.04
3779260.44 0.01195 (13120824)
459571.04 3779260.44 0.01251 (13120824) 459621.04
3779260.44 0.01323m (11010224)
459671.04 3779260.44 0.01399m (11010224) 459721.04
3779260.44 0.01441m (11010224)
459771.04 3779260.44 0.01457m (11010224) 459271.04
3779310.44 0.00811m (15010924)
459321.04 3779310.44 0.00878 (11110924) 459371.04
3779310.44 0.00980 (13120824)
459421.04 3779310.44 0.01088 (13120824) 459471.04
3779310.44 0.01198 (13120824)
459521.04 3779310.44 0.01304 (13120824) 459571.04
3779310.44 0.01388 (13120824)
459621.04 3779310.44 0.01462m (11010224) 459671.04
3779310.44 0.01574m (11010224)
459721.04 3779310.44 0.01645m (11010224) 459771.04
3779310.44 0.01682m (11010224)
459271.04 3779360.44 0.00881 (11010324) 459321.04
3779360.44 0.00934m (15010924)
459371.04 3779360.44 0.01014 (13120824) 459421.04
3779360.44 0.01142 (13120824)
459471.04 3779360.44 0.01278 (13120824) 459521.04
3779360.44 0.01415 (13120824)
459571.04 3779360.44 0.01537 (13120824) 459621.04
3779360.44 0.01640 (13120824)
459671.04 3779360.44 0.01774m (11010224) 459721.04
3779360.44 0.01890m (11010224)
459771.04 3779360.44 0.01956m (11010224) 459271.04
3779410.44 0.00957 (11010324)
459321.04 3779410.44 0.01024 (11010324) 459371.04
3779410.44 0.01092 (11010324)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008261 , L0008262

```
, L0008263    , L0008264    , L0008265    ,
                L0008266    , L0008267    , L0008268    , L0008269    , L0008270
, L0008271    , L0008272    , L0008273    ,
                L0008274    , L0008275    , L0008276    , L0008277    , L0008278
, L0008279    , L0008280    , L0008281    ,
                L0008282    , L0008283    , L0008284    , L0008285    , L0008286
, L0008287    , L0008288    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        459421.04   3779410.44        0.01192m (15010924)                459471.04
3779410.44        0.01356  (13120824)
        459521.04   3779410.44        0.01528  (13120824)                459571.04
3779410.44        0.01700  (13120824)
        459621.04   3779410.44        0.01852  (13120824)                459671.04
3779410.44        0.02006m (11010224)
        459721.04   3779410.44        0.02181m (11010224)                459771.04
3779410.44        0.02297m (11010224)
        459271.04   3779460.44        0.01025  (11010324)                459321.04
3779460.44        0.01114  (11010324)
        459371.04   3779460.44        0.01208  (11010324)                459421.04
3779460.44        0.01298  (11010324)
        459471.04   3779460.44        0.01431m (15010924)                459521.04
3779460.44        0.01638  (13120824)
        459571.04   3779460.44        0.01867  (13120824)                459621.04
3779460.44        0.02086  (13120824)
        459671.04   3779460.44        0.02293  (13120824)                459721.04
3779460.44        0.02534m (11010224)
        459771.04   3779460.44        0.02729m (11010224)                459271.04
3779510.44        0.01079  (11010324)
        459321.04   3779510.44        0.01191  (11010324)                459371.04
3779510.44        0.01313  (11010324)
        459421.04   3779510.44        0.01441  (11010324)                459471.04
3779510.44        0.01577  (11010324)
        459521.04   3779510.44        0.01753m (15010924)                459571.04
3779510.44        0.02034  (13120824)
        459621.04   3779510.44        0.02341  (13120824)                459671.04
3779510.44        0.02648  (13120824)
        459721.04   3779510.44        0.02964m (11010224)                459771.04
3779510.44        0.03286m (11010224)
```

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        459271.04   3779560.44        0.01114  (11010324)                459321.04
3779560.44        0.01247  (11010324)
        459371.04   3779560.44        0.01399  (11010324)                459421.04
3779560.44        0.01567  (11010324)
        459471.04   3779560.44        0.01755  (11010324)                459521.04
3779560.44        0.01954  (11010324)
        459571.04   3779560.44        0.02218m (15010924)                459621.04
3779560.44        0.02606  (13120824)
        459671.04   3779560.44        0.03055  (13120824)                459721.04
3779560.44        0.03498m (11010224)
        459771.04   3779560.44        0.04021m (11010224)                459271.04
3779610.44        0.01135m (15010924)
        459321.04   3779610.44        0.01278  (11010324)                459371.04
3779610.44        0.01455  (11010324)
        459421.04   3779610.44        0.01662  (11010324)                459471.04
3779610.44        0.01903  (11010324)
        459521.04   3779610.44        0.02182  (11010324)                459571.04
3779610.44        0.02501  (11010324)
        459621.04   3779610.44        0.02917m (15010924)                459671.04
3779610.44        0.03501  (13120824)
        459721.04   3779610.44        0.04190  (13120824)                459771.04
3779610.44        0.05010m (11010224)
        459271.04   3779660.44        0.01182m (15010924)                459321.04
3779660.44        0.01330m (15010924)
        459371.04   3779660.44        0.01508m (15010924)                459421.04
3779660.44        0.01726m (15010924)
        459471.04   3779660.44        0.02003  (11010324)                459521.04
3779660.44        0.02360  (11010324)
        459571.04   3779660.44        0.02795  (11010324)                459621.04
3779660.44        0.03331m (15010924)
        459671.04   3779660.44        0.04069m (15010924)                459721.04
3779660.44        0.05039m (15010924)
        459771.04   3779660.44        0.06385m (11010224)                459271.04
3779710.44        0.01222m (15010924)
        459321.04   3779710.44        0.01382m (15010924)                459371.04
3779710.44        0.01578m (15010924)
        459421.04   3779710.44        0.01820m (15010924)                459471.04
3779710.44        0.02127m (15010924)
        459521.04   3779710.44        0.02524m (15010924)                459571.04
3779710.44        0.03048m (15010924)
        459621.04   3779710.44        0.03762m (15010924)                459671.04
3779710.44        0.04766m (15010924)
        459721.04   3779710.44        0.06224m (15010924)                459771.04
3779710.44        0.08433m (15010924)
```

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

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   5 YEARS ***


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


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

ALL       1ST HIGHEST VALUE IS       0.05578 AT (  460204.12,  3779934.84,   536.26,
  536.26,    0.00)  DC
          2ND HIGHEST VALUE IS       0.05570 AT (  460204.12,  3779884.84,   534.42,
  534.42,    0.00)  DC
          3RD HIGHEST VALUE IS       0.05194 AT (  460204.12,  3779984.84,   537.39,
  537.39,    0.00)  DC
          4TH HIGHEST VALUE IS       0.05121 AT (  460204.12,  3779834.84,   533.15,
  533.15,    0.00)  DC
          5TH HIGHEST VALUE IS       0.04886 AT (  459771.04,  3779710.44,   530.64,
  530.64,    0.00)  DC
          6TH HIGHEST VALUE IS       0.04500 AT (  460204.12,  3780034.84,   539.03,
  539.03,    0.00)  DC
          7TH HIGHEST VALUE IS       0.04332 AT (  460204.12,  3779784.84,   531.39,
  531.39,    0.00)  DC
          8TH HIGHEST VALUE IS       0.03979 AT (  460254.12,  3779934.84,   535.92,
  535.92,    0.00)  DC
          9TH HIGHEST VALUE IS       0.03899 AT (  460254.12,  3779884.84,   533.81,
  533.81,    0.00)  DC
         10TH HIGHEST VALUE IS       0.03800 AT (  460254.12,  3779984.84,   536.79,
  536.79,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:11:17
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK TYPE	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.28562	ON 11092608:		AT (459771.04, 3779710.44, 530.64, 530.64, 0.00)	DC

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

*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Fontana_Sierra Casa Grande\Fontana_Sierra Casa *** 03/19/20
*** AERMET - VERSION 16216 *** *** *** 16:11:17

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

```
ALL      HIGH   1ST HIGH VALUE IS       0.09657  ON 16051524: AT (  460204.12,
3779884.84,   534.42,   534.42,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Fontana_Sierra Casa
Grande\Fontana_Sierra Casa  ***        03/19/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:11:17

                                  PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    1096       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1096       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
 12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
 15010101
```

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 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
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Kimley»Horn

MEMORANDUM

To:	Kari Cano
From:	Ryan Chiene
	Kimley-Horn and Associates, Inc.
Date:	June 2, 2020
Subject:	Palmetto Replacement Site: Proposed Sierra Casa Grande Warehouse Residential Replacement Site - Health Risk Assessment

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Purpose

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) resulting from the implementation of the proposed residential replacement site located on the northeast corner of Palmetto Avenue and Valencia Avenue (Palmetto Replacement Site) in the City of Fontana. This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) requirements, and pursuant to Office of Environmental Health Hazard Assessment (OEHHA) guidelines, this HRA was prepared to determine if Project implementation is likely to result in health risks. Specifically, this analysis addresses the air quality impacts referenced in State CEQA Guidelines Section 15332(d).

Project Description

The project is proposing residential replacement sites for the development of residential dwelling units at two project sites within the City of Fontana in efforts to account for the potential residential dwelling units lost with the development of the proposed Sierra Avenue at Casa Grande Drive Warehouse. The two replacement sites are proposed within the City of Fontana and are shown on Exhibit 1. One replacement site is located on the northeast corner of the intersection of Palmetto Avenue at Valencia Avenue. The site is currently 3.58 acres and occupied by 8 existing residential dwelling units and a church building. The other replacement site, located on the northwest corner of the intersection of Mango Avenue at Malaga Street (Mango Replacement site), is mentioned in this memorandum yet analyzed in a separate document.

The replacement of residential land uses due to the development of the Sierra Avenue at Casa Grande Drive Warehouse would result in the development of a maximum of 219 new residential dwelling units, in addition to the existing units on each site. The 219 dwelling units would be split proportionally between the two replacement sites as follows:

- **Palmetto Avenue/Arrow Boulevard Site**: 24 new dwelling units
    - 8 existing dwelling units
    - 32 onsite total dwelling units
    - Proposed Residential Designation: R-MF: Multi-Family Residential (12.1-24 du/ac) or WMXU-1: Walkable Mixed Use Corridor & Downtown (0.2-2 FAR, 3-39 du/ac)

- **Malaga Street/Mango Avenue Site**: 195 new dwelling units
    - 14 existing dwelling units
    - 209 onsite total dwelling units
    - Proposed Residential Designation: R-MF: Multi-Family Residential (12.1-24 du/ac) or WMXU-1: Walkable Mixed Use Corridor & Downtown (0.2-2 FAR, 3-39 du/ac)

Environmental Setting

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The Project site lies within the central portion of the South Coast Air Basin (Basin). The Basin is a 6,600-square mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area in Riverside County. The Basin's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive climate.

Climate

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the Basin is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the Basin. These factors along with applicable regulations are discussed below.

The average annual temperature varies little throughout the Basin, averaging 75 degrees Fahrenheit (°F). However, with a less-pronounced oceanic influence, the eastern inland portions of the Basin show greater variability in annual minimum and maximum temperatures. All portions of the Basin have had recorded temperatures over 100°F in recent years.

Meteorology

Although the Basin has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the Basin by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus

clouds, occasionally referred to as “high fog,” are a characteristic climate feature. Annual average relative humidity is 70 percent at the coast and 57 percent in the eastern part of the Basin. Precipitation in the Basin is typically nine to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the coastal areas of the Basin.

A temperature inversion is defined as an increase in temperature with height, or to the layer within which such an increase occurs. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above sea level, the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet, the terrain prevents the pollutants from entering the upper atmosphere, resulting in a settlement in the foothill communities. Below 1,200 feet, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire coastal basin. Usually, inversions are lower before sunrise than during the day. Mixing heights for inversions are lower in the summer and more persistent, being partly responsible for the high levels of ozone (O_3) observed during summer months in the Basin. Smog in southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods of time, allowing them to form secondary pollutants by reacting with sunlight. The Basin has a limited ability to disperse these pollutants due to typically low wind speeds.

The area in which the Project is located offers clear skies and sunshine, yet is still susceptible to air inversions. These inversions trap a layer of stagnant air near the ground, where it is then further loaded with pollutants. These inversions cause haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources.

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. 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 the 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.

Regulatory Setting

Federal

Federal Clean Air Act

The Federal Clean Air Act (FCAA) was amended in 1990 to address a large number of 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 U.S. Environmental Protection Agency (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 and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the 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 more subjective.

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 general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

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, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. 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 "Hot Spots" Act 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 (Risk Reduction Plan) in October 2000. The Risk Reduction Plan's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline.[1] The Risk Reduction Plan includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles. On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce particulate matter (PM) and oxides of nitrogen (NO_X) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California 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 nearly all privately 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 by reporting and there are a number of extensions for low-mileage construction trucks, early PM filter

[1] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

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 Air Toxic Control Measure (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.

South Coast Air Quality Management District

The California Clean Air Act (CCAA) provides the South Coast Air Quality Management District (SCAQMD) 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 Air Toxics Control Plan (March 2000, revised March 26, 2004) is a planning document designed to examine the overall direction of the SCAQMD's air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the SCAQMD's jurisdiction will each be brought to the SCAQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

The SCAQMD has conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. This study, the Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV," shows that cancer risk has decreased more than 50 percent between MATES III (2008) and MATES IV (2015).

MATES IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the South Coast Air Basin emissions. Therefore, MATES IV study represents the baseline health risk for a cumulative analysis. MATES IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based

on monitoring data collected at ten fixed sites within the South Coast Air Basin. None of the fixed monitoring sites are within the local area of the Project site. However, MATES IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES IV modeling predicted an excess cancer risk of 427 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68 percent of the total risk shown in MATES IV. The SCAQMD is currently preparing MATES V, which will be the latest comprehensive study of levels of toxic air pollutants the region. MATES V will include an advanced monitoring component with a focus on refinery emissions.

Significance Criteria and Methodology

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. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether the proposed Project is significant. If the lead agency finds that the proposed Project has the potential to exceed the air pollution thresholds, the Project should be considered significant. The thresholds for air toxic emissions are as follows.

- Cancer Risk: Emit carcinogenic or toxic contaminants that exceed the maximum individual cancer risk of 10 in one million.
- Non-Cancer Risk: Emit toxic contaminants that exceed the maximum hazard quotient of 1 in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed to 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 a million which is 100 times more than the SCAQMD's threshold of 10 in one million.

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

Methodology

The air dispersion modeling for the HRA was performed using the 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 the Project's case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. The SCAQMD provides surface and upper air meteorological data. Surface and upper air meteorological data from the Pico Rivera Meteorological Station was selected as being the most representative for meteorology based on proximity to the Project site.

The Project is located approximately 785 feet north of the Metrolink San Bernardino line railway. According to Metrolink's *Q3 '18-19 Fact Sheet*,[2] 38 Metrolink trains pass through the City of Fontana each day on this rail line. As such, locomotive diesel engine emissions during Metrolink pass-bys could result in pollutant concentrations at the Project site. Train emissions along the Metrolink rail line were calculated using line-haul emissions factors from the U.S. EPA *Emissions Factors for Locomotives*[3] report and daily train information from Metrolink's *Q3 '18-19 Fact Sheet*. A DPM emission rate for PM_{10} (particulate matter 10 microns in diameter or less) was calculated using data obtained from these sources; refer to Appendix A.

The model's emissions are from line volume sources (comprised of smaller adjacent volume sources) along the Metrolink San Bernardino line railway. Locomotive train emissions were assigned a release height of 15 feet (4.5 meters), which is consistent with previous analyses completed under the jurisdiction of the SCAQMD. Locomotive emissions were also assigned a plume height of 20 feet (6.2 meters), which is based on EPA guidance for vehicle volume sources.

AERMOD was run to obtain the peak 1-hour and annual average concentration in micrograms per cubic meter ($\mu g/m^3$) of PM_{10} at the proposed Project's future sensitive receptors (i.e., residents). According to the SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximum Individual Cancer Risk (MICR), the maximum chronic HI, the impact zones, and excess cancer burden, as well as peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a receptor grid was placed over the Project site to cover the impact zone. According to the SCAQMD, in order "to identify the maximum impacted receptors (i.e. peak cancer risk and peak hazard indices) a grid spacing of 100 meters or less must be used" (SCAQMD's Supplemental Guidelines page 16). Given the Project site's size, on-site receptors were conservatively modeled with a 15-meter grid spacing. In addition, National Elevation Dataset (NED)

[2] Metrolink, *Q3 '18-19 Fact Sheet*, https://metrolinktrains.com/globalassets/about/agency/facts-and-numbers/quarterly-fact-sheet-q3-fact-sheet-2018-2019.pdf, accessed May 11, 2020.
[3] U.S. EPA, *Emission Factors for Locomotives*, April 2009.

terrain data was imported into AERMOD for the Project. The modeling and analysis was prepared in accordance with the SCAQMD Modeling Guidance for AERMOD.[4]

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 any one point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and type of vehicles and equipment operating at 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.

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.

<u>Carcinogenic Risk</u>

DPM emissions from train Metrolink locomotives were estimated using line-haul emission factors for PM_{10} from the U.S. EPA *Emissions Factors for Locomotives* report, and information derived from the Metrolink *Q3 '18-19 Fact Sheet* for San Bernardino line railway operations.

The U.S. EPA has established emission standards for oxides of nitrogen (NOx), hydrocarbons (HC), carbon monoxide (CO), particulate matter (PM) and smoke for newly manufactured and remanufactured locomotives. These standards, which are codified at 40 CFR part 1033, include several sets of emission standards with applicability dependent on the date a locomotive is first manufactured. The first set of standards (Tier 0) applies to most locomotives originally manufactured before 2001. The most stringent set of standards (Tier 4) applies to locomotives originally manufactured in 2015 and later. For this Project, annual average PM_{10} emission factors were

[4] South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, October 2019.

calculated based on the speed, horsepower, travel length and time, number of train pass-bys (38 daily), and a line-haul emissions factor of 0.02 g/bhp-hr for Tier 4 locomotive engines.[5]

Based on the AERMOD outputs, the highest expected hourly average diesel PM_{10} emission concentrations from Metrolink train pass-bys along the San Bernardino railway line near sensitive receptors would be 0.026 µg/m^3. The highest expected annual average diesel PM_{10} emission concentrations near sensitive receptors would be 0.0095 µg/m^3. The calculations conservatively assume no cleaner technology with lower emissions in future years. As shown in **Table 1: Risk Assessment Results**, the highest calculated carcinogenic risk resulting from the Project is 8.25 per million residents. As shown, impacts related to cancer risk would be less than significant at on-site residential uses.

Table 1: Risk Assessment Results

Exposure Scenario	Maximum Cancer Risk (Risk per Million)[1, 2]	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Residents	8.25	10	No

1. Refer to Appendix A.
2. The maximum cancer risk would be experienced at the southeastern corner of the Palmetto Replacement site based on worst-case exposure durations for the Project, 95th percentile breathing rates, and 30-year averaging time.

Non-Carcinogenic Hazards

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the Reference Exposure Level (REL) for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. 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.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. The highest maximum chronic and acute hazard index associated with both DPM and acrolein emissions from the Project would be 0.002 and 0.01, respectively. Therefore, non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

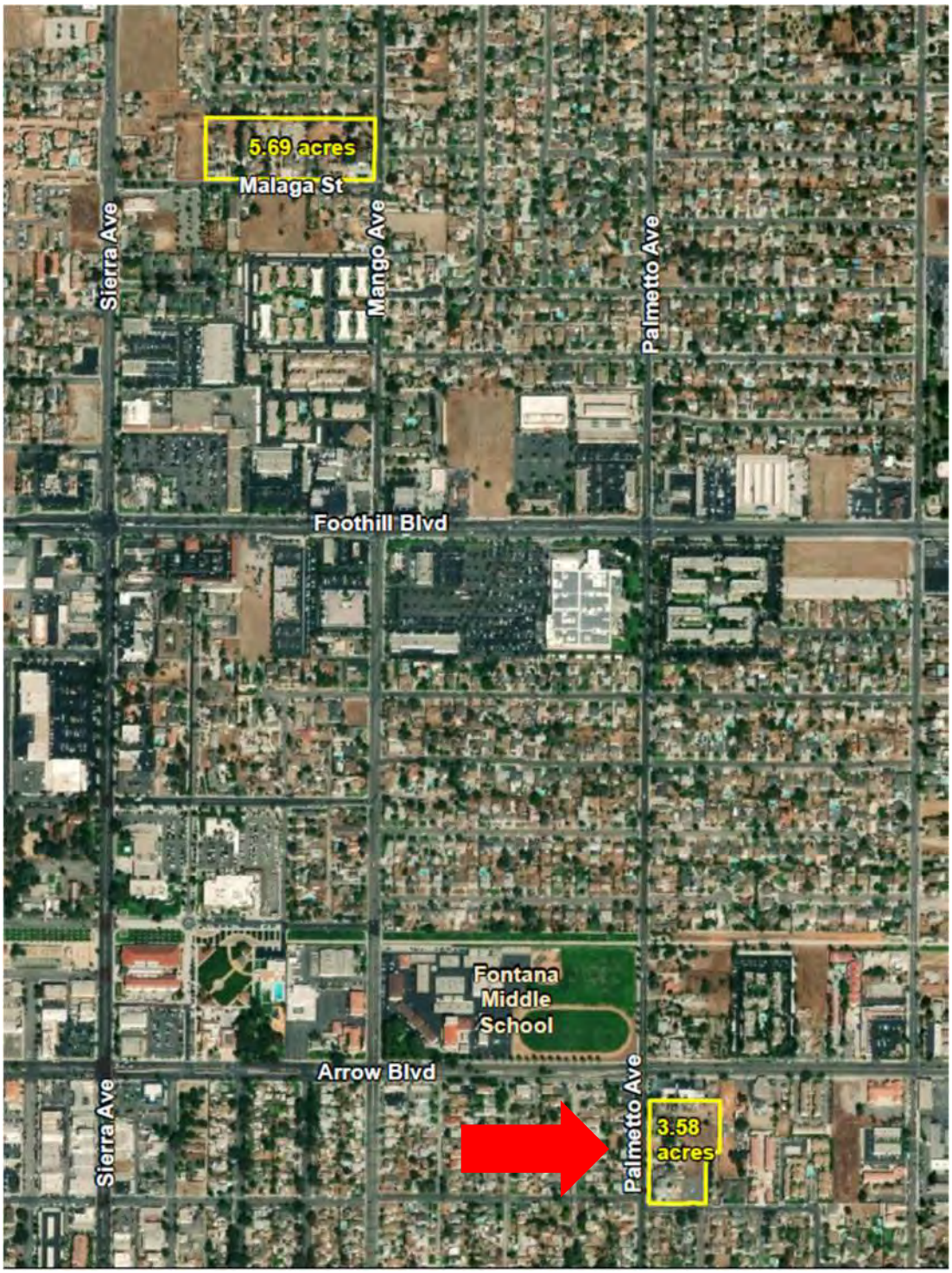
[5] Metrolink upgraded its locomotive fleet to Tier 4 engines in 2018: https://metrolinktrains.com/news/metrolink-news/metrolinks-new-tier-4-clean-locomotives-in-service-today/.

Conclusion

As described above, impacts related to cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to health risk impacts, consistent with the SCAQMD guidance and methodology. Therefore, impacts related to health risk from the Project would be less than significant.

Kimley»Horn

Exhibit 1 - Project Location



Appendix A

Modeling Data

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** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 5/8/2020
** File: C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement
Site.ADI
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**
**
****************************************
** AERMOD Control Pathway
****************************************
**
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   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Palmetto Replacement Site.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
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** Source ID - Type - X Coord. - Y Coord. **
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** DESCRSRC Metrolink RR
** PREFIX
** Length of Side = 2.00
** Configuration = Adjacent
** Emission Rate = 0.0034
** Vertical Dimension = 10.50
** SZINIT = 4.88
** Nodes = 2
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LOCATION	L0000048	VOLUME	459082.820	3772773.080	379.53
LOCATION	L0000049	VOLUME	459084.819	3772773.137	379.54
LOCATION	L0000050	VOLUME	459086.819	3772773.194	379.55
LOCATION	L0000051	VOLUME	459088.818	3772773.250	379.56
LOCATION	L0000052	VOLUME	459090.817	3772773.307	379.58
LOCATION	L0000053	VOLUME	459092.816	3772773.363	379.59
LOCATION	L0000054	VOLUME	459094.815	3772773.420	379.61
LOCATION	L0000055	VOLUME	459096.815	3772773.476	379.62
LOCATION	L0000056	VOLUME	459098.814	3772773.533	379.64
LOCATION	L0000057	VOLUME	459100.813	3772773.590	379.65
LOCATION	L0000058	VOLUME	459102.812	3772773.646	379.67
LOCATION	L0000059	VOLUME	459104.811	3772773.703	379.68
LOCATION	L0000060	VOLUME	459106.811	3772773.759	379.70
LOCATION	L0000061	VOLUME	459108.810	3772773.816	379.72
LOCATION	L0000062	VOLUME	459110.809	3772773.872	379.73
LOCATION	L0000063	VOLUME	459112.808	3772773.929	379.75
LOCATION	L0000064	VOLUME	459114.807	3772773.985	379.76
LOCATION	L0000065	VOLUME	459116.807	3772774.042	379.78
LOCATION	L0000066	VOLUME	459118.806	3772774.099	379.79
LOCATION	L0000067	VOLUME	459120.805	3772774.155	379.80
LOCATION	L0000068	VOLUME	459122.804	3772774.212	379.80
LOCATION	L0000069	VOLUME	459124.803	3772774.268	379.81
LOCATION	L0000070	VOLUME	459126.803	3772774.325	379.82
LOCATION	L0000071	VOLUME	459128.802	3772774.381	379.82
LOCATION	L0000072	VOLUME	459130.801	3772774.438	379.83
LOCATION	L0000073	VOLUME	459132.800	3772774.495	379.84
LOCATION	L0000074	VOLUME	459134.799	3772774.551	379.84
LOCATION	L0000075	VOLUME	459136.799	3772774.608	379.85
LOCATION	L0000076	VOLUME	459138.798	3772774.664	379.86
LOCATION	L0000077	VOLUME	459140.797	3772774.721	379.86
LOCATION	L0000078	VOLUME	459142.796	3772774.777	379.87
LOCATION	L0000079	VOLUME	459144.795	3772774.834	379.87
LOCATION	L0000080	VOLUME	459146.795	3772774.890	379.88
LOCATION	L0000081	VOLUME	459148.794	3772774.947	379.88
LOCATION	L0000082	VOLUME	459150.793	3772775.004	379.89
LOCATION	L0000083	VOLUME	459152.792	3772775.060	379.89
LOCATION	L0000084	VOLUME	459154.791	3772775.117	379.90
LOCATION	L0000085	VOLUME	459156.791	3772775.173	379.90
LOCATION	L0000086	VOLUME	459158.790	3772775.230	379.91
LOCATION	L0000087	VOLUME	459160.789	3772775.286	379.91
LOCATION	L0000088	VOLUME	459162.788	3772775.343	379.92
LOCATION	L0000089	VOLUME	459164.787	3772775.399	379.92
LOCATION	L0000090	VOLUME	459166.787	3772775.456	379.93
LOCATION	L0000091	VOLUME	459168.786	3772775.513	379.93
LOCATION	L0000092	VOLUME	459170.785	3772775.569	379.95
LOCATION	L0000093	VOLUME	459172.784	3772775.626	379.96
LOCATION	L0000094	VOLUME	459174.783	3772775.682	379.98

LOCATION	L0000095	VOLUME	459176.783	3772775.739	380.00
LOCATION	L0000096	VOLUME	459178.782	3772775.795	380.02
LOCATION	L0000097	VOLUME	459180.781	3772775.852	380.03
LOCATION	L0000098	VOLUME	459182.780	3772775.909	380.05
LOCATION	L0000099	VOLUME	459184.779	3772775.965	380.07
LOCATION	L0000100	VOLUME	459186.779	3772776.022	380.08
LOCATION	L0000101	VOLUME	459188.778	3772776.078	380.10
LOCATION	L0000102	VOLUME	459190.777	3772776.135	380.12
LOCATION	L0000103	VOLUME	459192.776	3772776.191	380.13
LOCATION	L0000104	VOLUME	459194.775	3772776.248	380.15
LOCATION	L0000105	VOLUME	459196.775	3772776.304	380.18
LOCATION	L0000106	VOLUME	459198.774	3772776.361	380.21
LOCATION	L0000107	VOLUME	459200.773	3772776.418	380.24
LOCATION	L0000108	VOLUME	459202.772	3772776.474	380.26
LOCATION	L0000109	VOLUME	459204.771	3772776.531	380.29
LOCATION	L0000110	VOLUME	459206.771	3772776.587	380.32
LOCATION	L0000111	VOLUME	459208.770	3772776.644	380.35
LOCATION	L0000112	VOLUME	459210.769	3772776.700	380.37
LOCATION	L0000113	VOLUME	459212.768	3772776.757	380.40
LOCATION	L0000114	VOLUME	459214.767	3772776.814	380.43
LOCATION	L0000115	VOLUME	459216.767	3772776.870	380.46
LOCATION	L0000116	VOLUME	459218.766	3772776.927	380.49
LOCATION	L0000117	VOLUME	459220.765	3772776.983	380.51
LOCATION	L0000118	VOLUME	459222.764	3772777.040	380.53
LOCATION	L0000119	VOLUME	459224.763	3772777.096	380.55
LOCATION	L0000120	VOLUME	459226.763	3772777.153	380.57
LOCATION	L0000121	VOLUME	459228.762	3772777.209	380.59
LOCATION	L0000122	VOLUME	459230.761	3772777.266	380.61
LOCATION	L0000123	VOLUME	459232.760	3772777.323	380.63
LOCATION	L0000124	VOLUME	459234.759	3772777.379	380.65
LOCATION	L0000125	VOLUME	459236.759	3772777.436	380.67
LOCATION	L0000126	VOLUME	459238.758	3772777.492	380.69
LOCATION	L0000127	VOLUME	459240.757	3772777.549	380.71
LOCATION	L0000128	VOLUME	459242.756	3772777.605	380.73
LOCATION	L0000129	VOLUME	459244.755	3772777.662	380.75
LOCATION	L0000130	VOLUME	459246.755	3772777.718	380.76
LOCATION	L0000131	VOLUME	459248.754	3772777.775	380.76
LOCATION	L0000132	VOLUME	459250.753	3772777.832	380.77
LOCATION	L0000133	VOLUME	459252.752	3772777.888	380.77
LOCATION	L0000134	VOLUME	459254.751	3772777.945	380.78
LOCATION	L0000135	VOLUME	459256.751	3772778.001	380.78
LOCATION	L0000136	VOLUME	459258.750	3772778.058	380.79
LOCATION	L0000137	VOLUME	459260.749	3772778.114	380.79
LOCATION	L0000138	VOLUME	459262.748	3772778.171	380.80
LOCATION	L0000139	VOLUME	459264.747	3772778.228	380.80
LOCATION	L0000140	VOLUME	459266.747	3772778.284	380.80
LOCATION	L0000141	VOLUME	459268.746	3772778.341	380.81
LOCATION	L0000142	VOLUME	459270.745	3772778.397	380.81

LOCATION	L0000143	VOLUME	459272.744	3772778.454	380.81
LOCATION	L0000144	VOLUME	459274.743	3772778.510	380.80
LOCATION	L0000145	VOLUME	459276.743	3772778.567	380.79
LOCATION	L0000146	VOLUME	459278.742	3772778.623	380.79
LOCATION	L0000147	VOLUME	459280.741	3772778.680	380.78
LOCATION	L0000148	VOLUME	459282.740	3772778.737	380.77
LOCATION	L0000149	VOLUME	459284.739	3772778.793	380.76
LOCATION	L0000150	VOLUME	459286.739	3772778.850	380.76
LOCATION	L0000151	VOLUME	459288.738	3772778.906	380.75
LOCATION	L0000152	VOLUME	459290.737	3772778.963	380.74
LOCATION	L0000153	VOLUME	459292.736	3772779.019	380.73
LOCATION	L0000154	VOLUME	459294.735	3772779.076	380.73
LOCATION	L0000155	VOLUME	459296.735	3772779.132	380.72
LOCATION	L0000156	VOLUME	459298.734	3772779.189	380.72
LOCATION	L0000157	VOLUME	459300.733	3772779.246	380.73
LOCATION	L0000158	VOLUME	459302.732	3772779.302	380.73
LOCATION	L0000159	VOLUME	459304.731	3772779.359	380.74
LOCATION	L0000160	VOLUME	459306.731	3772779.415	380.75
LOCATION	L0000161	VOLUME	459308.730	3772779.472	380.75
LOCATION	L0000162	VOLUME	459310.729	3772779.528	380.76
LOCATION	L0000163	VOLUME	459312.728	3772779.585	380.76
LOCATION	L0000164	VOLUME	459314.727	3772779.642	380.77
LOCATION	L0000165	VOLUME	459316.727	3772779.698	380.77
LOCATION	L0000166	VOLUME	459318.726	3772779.755	380.78
LOCATION	L0000167	VOLUME	459320.725	3772779.811	380.79
LOCATION	L0000168	VOLUME	459322.724	3772779.868	380.79
LOCATION	L0000169	VOLUME	459324.723	3772779.924	380.80
LOCATION	L0000170	VOLUME	459326.723	3772779.981	380.81
LOCATION	L0000171	VOLUME	459328.722	3772780.037	380.82
LOCATION	L0000172	VOLUME	459330.721	3772780.094	380.84
LOCATION	L0000173	VOLUME	459332.720	3772780.151	380.85
LOCATION	L0000174	VOLUME	459334.719	3772780.207	380.86
LOCATION	L0000175	VOLUME	459336.719	3772780.264	380.87
LOCATION	L0000176	VOLUME	459338.718	3772780.320	380.88
LOCATION	L0000177	VOLUME	459340.717	3772780.377	380.89
LOCATION	L0000178	VOLUME	459342.716	3772780.433	380.90
LOCATION	L0000179	VOLUME	459344.715	3772780.490	380.91
LOCATION	L0000180	VOLUME	459346.715	3772780.547	380.92
LOCATION	L0000181	VOLUME	459348.714	3772780.603	380.94
LOCATION	L0000182	VOLUME	459350.713	3772780.660	380.95
LOCATION	L0000183	VOLUME	459352.712	3772780.716	380.97
LOCATION	L0000184	VOLUME	459354.711	3772780.773	380.98
LOCATION	L0000185	VOLUME	459356.711	3772780.829	381.00
LOCATION	L0000186	VOLUME	459358.710	3772780.886	381.01
LOCATION	L0000187	VOLUME	459360.709	3772780.942	381.03
LOCATION	L0000188	VOLUME	459362.708	3772780.999	381.04
LOCATION	L0000189	VOLUME	459364.707	3772781.056	381.06
LOCATION	L0000190	VOLUME	459366.707	3772781.112	381.07

LOCATION	L0000191	VOLUME	459368.706	3772781.169	381.09
LOCATION	L0000192	VOLUME	459370.705	3772781.225	381.10
LOCATION	L0000193	VOLUME	459372.704	3772781.282	381.12
LOCATION	L0000194	VOLUME	459374.703	3772781.338	381.13
LOCATION	L0000195	VOLUME	459376.703	3772781.395	381.15
LOCATION	L0000196	VOLUME	459378.702	3772781.451	381.17
LOCATION	L0000197	VOLUME	459380.701	3772781.508	381.18
LOCATION	L0000198	VOLUME	459382.700	3772781.565	381.20
LOCATION	L0000199	VOLUME	459384.699	3772781.621	381.22
LOCATION	L0000200	VOLUME	459386.699	3772781.678	381.23
LOCATION	L0000201	VOLUME	459388.698	3772781.734	381.25
LOCATION	L0000202	VOLUME	459390.697	3772781.791	381.27
LOCATION	L0000203	VOLUME	459392.696	3772781.847	381.28
LOCATION	L0000204	VOLUME	459394.695	3772781.904	381.30
LOCATION	L0000205	VOLUME	459396.695	3772781.961	381.31
LOCATION	L0000206	VOLUME	459398.694	3772782.017	381.33
LOCATION	L0000207	VOLUME	459400.693	3772782.074	381.34
LOCATION	L0000208	VOLUME	459402.692	3772782.130	381.35
LOCATION	L0000209	VOLUME	459404.691	3772782.187	381.36
LOCATION	L0000210	VOLUME	459406.691	3772782.243	381.37
LOCATION	L0000211	VOLUME	459408.690	3772782.300	381.39
LOCATION	L0000212	VOLUME	459410.689	3772782.356	381.40
LOCATION	L0000213	VOLUME	459412.688	3772782.413	381.41
LOCATION	L0000214	VOLUME	459414.687	3772782.470	381.42
LOCATION	L0000215	VOLUME	459416.687	3772782.526	381.43
LOCATION	L0000216	VOLUME	459418.686	3772782.583	381.44
LOCATION	L0000217	VOLUME	459420.685	3772782.639	381.45
LOCATION	L0000218	VOLUME	459422.684	3772782.696	381.46
LOCATION	L0000219	VOLUME	459424.683	3772782.752	381.47
LOCATION	L0000220	VOLUME	459426.683	3772782.809	381.46
LOCATION	L0000221	VOLUME	459428.682	3772782.865	381.46
LOCATION	L0000222	VOLUME	459430.681	3772782.922	381.45
LOCATION	L0000223	VOLUME	459432.680	3772782.979	381.45
LOCATION	L0000224	VOLUME	459434.679	3772783.035	381.44
LOCATION	L0000225	VOLUME	459436.679	3772783.092	381.43
LOCATION	L0000226	VOLUME	459438.678	3772783.148	381.43
LOCATION	L0000227	VOLUME	459440.677	3772783.205	381.42
LOCATION	L0000228	VOLUME	459442.676	3772783.261	381.42
LOCATION	L0000229	VOLUME	459444.675	3772783.318	381.41
LOCATION	L0000230	VOLUME	459446.675	3772783.375	381.40
LOCATION	L0000231	VOLUME	459448.674	3772783.431	381.40
LOCATION	L0000232	VOLUME	459450.673	3772783.488	381.39
LOCATION	L0000233	VOLUME	459452.672	3772783.544	381.39
LOCATION	L0000234	VOLUME	459454.671	3772783.601	381.40
LOCATION	L0000235	VOLUME	459456.671	3772783.657	381.40
LOCATION	L0000236	VOLUME	459458.670	3772783.714	381.40
LOCATION	L0000237	VOLUME	459460.669	3772783.770	381.41
LOCATION	L0000238	VOLUME	459462.668	3772783.827	381.41

LOCATION	L0000239	VOLUME	459464.667	3772783.884	381.41
LOCATION	L0000240	VOLUME	459466.667	3772783.940	381.42
LOCATION	L0000241	VOLUME	459468.666	3772783.997	381.42
LOCATION	L0000242	VOLUME	459470.665	3772784.053	381.42
LOCATION	L0000243	VOLUME	459472.664	3772784.110	381.43
LOCATION	L0000244	VOLUME	459474.663	3772784.166	381.43
LOCATION	L0000245	VOLUME	459476.663	3772784.223	381.43
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LOCATION	L0000247	VOLUME	459480.661	3772784.336	381.43
LOCATION	L0000248	VOLUME	459482.660	3772784.393	381.43
LOCATION	L0000249	VOLUME	459484.659	3772784.449	381.44
LOCATION	L0000250	VOLUME	459486.659	3772784.506	381.44
LOCATION	L0000251	VOLUME	459488.658	3772784.562	381.44
LOCATION	L0000252	VOLUME	459490.657	3772784.619	381.44
LOCATION	L0000253	VOLUME	459492.656	3772784.675	381.44
LOCATION	L0000254	VOLUME	459494.655	3772784.732	381.44
LOCATION	L0000255	VOLUME	459496.655	3772784.789	381.44
LOCATION	L0000256	VOLUME	459498.654	3772784.845	381.44
LOCATION	L0000257	VOLUME	459500.653	3772784.902	381.44
LOCATION	L0000258	VOLUME	459502.652	3772784.958	381.45
LOCATION	L0000259	VOLUME	459504.651	3772785.015	381.46
LOCATION	L0000260	VOLUME	459506.651	3772785.071	381.47
LOCATION	L0000261	VOLUME	459508.650	3772785.128	381.48
LOCATION	L0000262	VOLUME	459510.649	3772785.184	381.49
LOCATION	L0000263	VOLUME	459512.648	3772785.241	381.49
LOCATION	L0000264	VOLUME	459514.647	3772785.298	381.50
LOCATION	L0000265	VOLUME	459516.647	3772785.354	381.51
LOCATION	L0000266	VOLUME	459518.646	3772785.411	381.52
LOCATION	L0000267	VOLUME	459520.645	3772785.467	381.53
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LOCATION	L0000269	VOLUME	459524.643	3772785.580	381.55
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LOCATION	L0000271	VOLUME	459528.642	3772785.694	381.57
LOCATION	L0000272	VOLUME	459530.641	3772785.750	381.58
LOCATION	L0000273	VOLUME	459532.640	3772785.807	381.58
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LOCATION	L0000275	VOLUME	459536.639	3772785.920	381.60
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LOCATION	L0000279	VOLUME	459544.635	3772786.146	381.63
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LOCATION	L0000281	VOLUME	459548.634	3772786.259	381.64
LOCATION	L0000282	VOLUME	459550.633	3772786.316	381.65
LOCATION	L0000283	VOLUME	459552.632	3772786.372	381.65
LOCATION	L0000284	VOLUME	459554.631	3772786.429	381.66
LOCATION	L0000285	VOLUME	459556.631	3772786.485	381.66
LOCATION	L0000286	VOLUME	459558.630	3772786.542	381.67

LOCATION	L0000287	VOLUME	459560.629	3772786.598	381.67
LOCATION	L0000288	VOLUME	459562.628	3772786.655	381.68
LOCATION	L0000289	VOLUME	459564.627	3772786.712	381.68
LOCATION	L0000290	VOLUME	459566.627	3772786.768	381.69
LOCATION	L0000291	VOLUME	459568.626	3772786.825	381.69
LOCATION	L0000292	VOLUME	459570.625	3772786.881	381.70
LOCATION	L0000293	VOLUME	459572.624	3772786.938	381.70
LOCATION	L0000294	VOLUME	459574.623	3772786.994	381.71
LOCATION	L0000295	VOLUME	459576.623	3772787.051	381.71
LOCATION	L0000296	VOLUME	459578.622	3772787.108	381.72
LOCATION	L0000297	VOLUME	459580.621	3772787.164	381.72
LOCATION	L0000298	VOLUME	459582.620	3772787.221	381.72
LOCATION	L0000299	VOLUME	459584.619	3772787.277	381.72
LOCATION	L0000300	VOLUME	459586.619	3772787.334	381.72
LOCATION	L0000301	VOLUME	459588.618	3772787.390	381.72
LOCATION	L0000302	VOLUME	459590.617	3772787.447	381.72
LOCATION	L0000303	VOLUME	459592.616	3772787.503	381.72
LOCATION	L0000304	VOLUME	459594.615	3772787.560	381.72
LOCATION	L0000305	VOLUME	459596.615	3772787.617	381.72
LOCATION	L0000306	VOLUME	459598.614	3772787.673	381.73
LOCATION	L0000307	VOLUME	459600.613	3772787.730	381.73
LOCATION	L0000308	VOLUME	459602.612	3772787.786	381.73
LOCATION	L0000309	VOLUME	459604.611	3772787.843	381.73
LOCATION	L0000310	VOLUME	459606.611	3772787.899	381.74
LOCATION	L0000311	VOLUME	459608.610	3772787.956	381.75
LOCATION	L0000312	VOLUME	459610.609	3772788.013	381.75
LOCATION	L0000313	VOLUME	459612.608	3772788.069	381.76
LOCATION	L0000314	VOLUME	459614.607	3772788.126	381.77
LOCATION	L0000315	VOLUME	459616.607	3772788.182	381.77
LOCATION	L0000316	VOLUME	459618.606	3772788.239	381.78
LOCATION	L0000317	VOLUME	459620.605	3772788.295	381.79
LOCATION	L0000318	VOLUME	459622.604	3772788.352	381.80
LOCATION	L0000319	VOLUME	459624.603	3772788.408	381.80
LOCATION	L0000320	VOLUME	459626.603	3772788.465	381.81
LOCATION	L0000321	VOLUME	459628.602	3772788.522	381.82
LOCATION	L0000322	VOLUME	459630.601	3772788.578	381.83
LOCATION	L0000323	VOLUME	459632.600	3772788.635	381.84
LOCATION	L0000324	VOLUME	459634.599	3772788.691	381.85
LOCATION	L0000325	VOLUME	459636.599	3772788.748	381.86
LOCATION	L0000326	VOLUME	459638.598	3772788.804	381.88
LOCATION	L0000327	VOLUME	459640.597	3772788.861	381.89
LOCATION	L0000328	VOLUME	459642.596	3772788.917	381.90
LOCATION	L0000329	VOLUME	459644.595	3772788.974	381.91
LOCATION	L0000330	VOLUME	459646.595	3772789.031	381.92
LOCATION	L0000331	VOLUME	459648.594	3772789.087	381.94
LOCATION	L0000332	VOLUME	459650.593	3772789.144	381.95
LOCATION	L0000333	VOLUME	459652.592	3772789.200	381.96
LOCATION	L0000334	VOLUME	459654.591	3772789.257	381.97

LOCATION	L0000335	VOLUME	459656.591	3772789.313	381.98
LOCATION	L0000336	VOLUME	459658.590	3772789.370	381.99
LOCATION	L0000337	VOLUME	459660.589	3772789.427	382.00
LOCATION	L0000338	VOLUME	459662.588	3772789.483	382.00
LOCATION	L0000339	VOLUME	459664.587	3772789.540	382.01
LOCATION	L0000340	VOLUME	459666.587	3772789.596	382.02
LOCATION	L0000341	VOLUME	459668.586	3772789.653	382.02
LOCATION	L0000342	VOLUME	459670.585	3772789.709	382.03
LOCATION	L0000343	VOLUME	459672.584	3772789.766	382.04
LOCATION	L0000344	VOLUME	459674.583	3772789.822	382.05
LOCATION	L0000345	VOLUME	459676.583	3772789.879	382.05
LOCATION	L0000346	VOLUME	459678.582	3772789.936	382.06
LOCATION	L0000347	VOLUME	459680.581	3772789.992	382.07
LOCATION	L0000348	VOLUME	459682.580	3772790.049	382.07
LOCATION	L0000349	VOLUME	459684.579	3772790.105	382.07
LOCATION	L0000350	VOLUME	459686.579	3772790.162	382.07
LOCATION	L0000351	VOLUME	459688.578	3772790.218	382.07
LOCATION	L0000352	VOLUME	459690.577	3772790.275	382.07
LOCATION	L0000353	VOLUME	459692.576	3772790.332	382.07
LOCATION	L0000354	VOLUME	459694.575	3772790.388	382.07
LOCATION	L0000355	VOLUME	459696.575	3772790.445	382.07
LOCATION	L0000356	VOLUME	459698.574	3772790.501	382.07
LOCATION	L0000357	VOLUME	459700.573	3772790.558	382.08
LOCATION	L0000358	VOLUME	459702.572	3772790.614	382.08
LOCATION	L0000359	VOLUME	459704.571	3772790.671	382.08
LOCATION	L0000360	VOLUME	459706.571	3772790.727	382.08
LOCATION	L0000361	VOLUME	459708.570	3772790.784	382.07
LOCATION	L0000362	VOLUME	459710.569	3772790.841	382.07
LOCATION	L0000363	VOLUME	459712.568	3772790.897	382.06
LOCATION	L0000364	VOLUME	459714.567	3772790.954	382.06
LOCATION	L0000365	VOLUME	459716.567	3772791.010	382.05
LOCATION	L0000366	VOLUME	459718.566	3772791.067	382.04
LOCATION	L0000367	VOLUME	459720.565	3772791.123	382.04
LOCATION	L0000368	VOLUME	459722.564	3772791.180	382.03
LOCATION	L0000369	VOLUME	459724.563	3772791.236	382.02
LOCATION	L0000370	VOLUME	459726.563	3772791.293	382.02
LOCATION	L0000371	VOLUME	459728.562	3772791.350	382.01
LOCATION	L0000372	VOLUME	459730.561	3772791.406	382.00
LOCATION	L0000373	VOLUME	459732.560	3772791.463	382.00
LOCATION	L0000374	VOLUME	459734.559	3772791.519	382.00
LOCATION	L0000375	VOLUME	459736.559	3772791.576	382.00
LOCATION	L0000376	VOLUME	459738.558	3772791.632	382.00
LOCATION	L0000377	VOLUME	459740.557	3772791.689	381.99
LOCATION	L0000378	VOLUME	459742.556	3772791.746	381.99
LOCATION	L0000379	VOLUME	459744.555	3772791.802	381.99
LOCATION	L0000380	VOLUME	459746.555	3772791.859	381.99
LOCATION	L0000381	VOLUME	459748.554	3772791.915	381.99
LOCATION	L0000382	VOLUME	459750.553	3772791.972	381.99

LOCATION	L0000383	VOLUME	459752.552	3772792.028	381.99
LOCATION	L0000384	VOLUME	459754.551	3772792.085	381.99
LOCATION	L0000385	VOLUME	459756.551	3772792.141	381.99
LOCATION	L0000386	VOLUME	459758.550	3772792.198	381.99
LOCATION	L0000387	VOLUME	459760.549	3772792.255	382.00
LOCATION	L0000388	VOLUME	459762.548	3772792.311	382.01
LOCATION	L0000389	VOLUME	459764.547	3772792.368	382.02
LOCATION	L0000390	VOLUME	459766.547	3772792.424	382.04
LOCATION	L0000391	VOLUME	459768.546	3772792.481	382.05
LOCATION	L0000392	VOLUME	459770.545	3772792.537	382.06
LOCATION	L0000393	VOLUME	459772.544	3772792.594	382.07
LOCATION	L0000394	VOLUME	459774.543	3772792.650	382.08
LOCATION	L0000395	VOLUME	459776.543	3772792.707	382.09
LOCATION	L0000396	VOLUME	459778.542	3772792.764	382.11
LOCATION	L0000397	VOLUME	459780.541	3772792.820	382.12
LOCATION	L0000398	VOLUME	459782.540	3772792.877	382.13
LOCATION	L0000399	VOLUME	459784.539	3772792.933	382.14
LOCATION	L0000400	VOLUME	459786.539	3772792.990	382.15
LOCATION	L0000401	VOLUME	459788.538	3772793.046	382.15
LOCATION	L0000402	VOLUME	459790.537	3772793.103	382.16
LOCATION	L0000403	VOLUME	459792.536	3772793.160	382.17
LOCATION	L0000404	VOLUME	459794.535	3772793.216	382.17
LOCATION	L0000405	VOLUME	459796.535	3772793.273	382.18
LOCATION	L0000406	VOLUME	459798.534	3772793.329	382.19
LOCATION	L0000407	VOLUME	459800.533	3772793.386	382.19
LOCATION	L0000408	VOLUME	459802.532	3772793.442	382.20
LOCATION	L0000409	VOLUME	459804.531	3772793.499	382.21
LOCATION	L0000410	VOLUME	459806.531	3772793.555	382.21
LOCATION	L0000411	VOLUME	459808.530	3772793.612	382.22
LOCATION	L0000412	VOLUME	459810.529	3772793.669	382.22
LOCATION	L0000413	VOLUME	459812.528	3772793.725	382.21
LOCATION	L0000414	VOLUME	459814.527	3772793.782	382.21
LOCATION	L0000415	VOLUME	459816.527	3772793.838	382.20
LOCATION	L0000416	VOLUME	459818.526	3772793.895	382.19
LOCATION	L0000417	VOLUME	459820.525	3772793.951	382.19
LOCATION	L0000418	VOLUME	459822.524	3772794.008	382.18
LOCATION	L0000419	VOLUME	459824.523	3772794.065	382.18
LOCATION	L0000420	VOLUME	459826.523	3772794.121	382.17
LOCATION	L0000421	VOLUME	459828.522	3772794.178	382.17
LOCATION	L0000422	VOLUME	459830.521	3772794.234	382.17
LOCATION	L0000423	VOLUME	459832.520	3772794.291	382.16
LOCATION	L0000424	VOLUME	459834.519	3772794.347	382.16
LOCATION	L0000425	VOLUME	459836.519	3772794.404	382.15
LOCATION	L0000426	VOLUME	459838.518	3772794.460	382.15
LOCATION	L0000427	VOLUME	459840.517	3772794.517	382.15
LOCATION	L0000428	VOLUME	459842.516	3772794.574	382.15
LOCATION	L0000429	VOLUME	459844.515	3772794.630	382.15
LOCATION	L0000430	VOLUME	459846.515	3772794.687	382.14

LOCATION	L0000431	VOLUME	459848.514	3772794.743	382.14
LOCATION	L0000432	VOLUME	459850.513	3772794.800	382.14
LOCATION	L0000433	VOLUME	459852.512	3772794.856	382.14
LOCATION	L0000434	VOLUME	459854.511	3772794.913	382.14
LOCATION	L0000435	VOLUME	459856.511	3772794.969	382.13
LOCATION	L0000436	VOLUME	459858.510	3772795.026	382.13
LOCATION	L0000437	VOLUME	459860.509	3772795.083	382.13
LOCATION	L0000438	VOLUME	459862.508	3772795.139	382.13
LOCATION	L0000439	VOLUME	459864.507	3772795.196	382.14
LOCATION	L0000440	VOLUME	459866.507	3772795.252	382.15
LOCATION	L0000441	VOLUME	459868.506	3772795.309	382.15
LOCATION	L0000442	VOLUME	459870.505	3772795.365	382.16
LOCATION	L0000443	VOLUME	459872.504	3772795.422	382.16
LOCATION	L0000444	VOLUME	459874.503	3772795.479	382.17
LOCATION	L0000445	VOLUME	459876.503	3772795.535	382.17
LOCATION	L0000446	VOLUME	459878.502	3772795.592	382.18
LOCATION	L0000447	VOLUME	459880.501	3772795.648	382.18
LOCATION	L0000448	VOLUME	459882.500	3772795.705	382.19
LOCATION	L0000449	VOLUME	459884.499	3772795.761	382.19
LOCATION	L0000450	VOLUME	459886.499	3772795.818	382.20
LOCATION	L0000451	VOLUME	459888.498	3772795.874	382.20
LOCATION	L0000452	VOLUME	459890.497	3772795.931	382.21
LOCATION	L0000453	VOLUME	459892.496	3772795.988	382.22
LOCATION	L0000454	VOLUME	459894.495	3772796.044	382.23
LOCATION	L0000455	VOLUME	459896.495	3772796.101	382.24
LOCATION	L0000456	VOLUME	459898.494	3772796.157	382.25
LOCATION	L0000457	VOLUME	459900.493	3772796.214	382.26
LOCATION	L0000458	VOLUME	459902.492	3772796.270	382.27
LOCATION	L0000459	VOLUME	459904.491	3772796.327	382.27
LOCATION	L0000460	VOLUME	459906.491	3772796.383	382.28
LOCATION	L0000461	VOLUME	459908.490	3772796.440	382.29
LOCATION	L0000462	VOLUME	459910.489	3772796.497	382.30
LOCATION	L0000463	VOLUME	459912.488	3772796.553	382.31
LOCATION	L0000464	VOLUME	459914.487	3772796.610	382.32
LOCATION	L0000465	VOLUME	459916.487	3772796.666	382.34
LOCATION	L0000466	VOLUME	459918.486	3772796.723	382.35
LOCATION	L0000467	VOLUME	459920.485	3772796.779	382.36
LOCATION	L0000468	VOLUME	459922.484	3772796.836	382.37
LOCATION	L0000469	VOLUME	459924.483	3772796.893	382.39
LOCATION	L0000470	VOLUME	459926.483	3772796.949	382.40
LOCATION	L0000471	VOLUME	459928.482	3772797.006	382.41
LOCATION	L0000472	VOLUME	459930.481	3772797.062	382.43
LOCATION	L0000473	VOLUME	459932.480	3772797.119	382.44
LOCATION	L0000474	VOLUME	459934.479	3772797.175	382.45
LOCATION	L0000475	VOLUME	459936.479	3772797.232	382.46
LOCATION	L0000476	VOLUME	459938.478	3772797.288	382.48
LOCATION	L0000477	VOLUME	459940.477	3772797.345	382.49
LOCATION	L0000478	VOLUME	459942.476	3772797.402	382.51

LOCATION	L0000479	VOLUME	459944.475	3772797.458	382.52
LOCATION	L0000480	VOLUME	459946.475	3772797.515	382.54
LOCATION	L0000481	VOLUME	459948.474	3772797.571	382.55
LOCATION	L0000482	VOLUME	459950.473	3772797.628	382.57
LOCATION	L0000483	VOLUME	459952.472	3772797.684	382.58
LOCATION	L0000484	VOLUME	459954.471	3772797.741	382.60
LOCATION	L0000485	VOLUME	459956.471	3772797.798	382.61
LOCATION	L0000486	VOLUME	459958.470	3772797.854	382.63
LOCATION	L0000487	VOLUME	459960.469	3772797.911	382.65
LOCATION	L0000488	VOLUME	459962.468	3772797.967	382.66
LOCATION	L0000489	VOLUME	459964.467	3772798.024	382.68
LOCATION	L0000490	VOLUME	459966.467	3772798.080	382.70
LOCATION	L0000491	VOLUME	459968.466	3772798.137	382.72
LOCATION	L0000492	VOLUME	459970.465	3772798.193	382.73
LOCATION	L0000493	VOLUME	459972.464	3772798.250	382.75
LOCATION	L0000494	VOLUME	459974.463	3772798.307	382.77
LOCATION	L0000495	VOLUME	459976.463	3772798.363	382.79
LOCATION	L0000496	VOLUME	459978.462	3772798.420	382.81
LOCATION	L0000497	VOLUME	459980.461	3772798.476	382.83
LOCATION	L0000498	VOLUME	459982.460	3772798.533	382.85
LOCATION	L0000499	VOLUME	459984.459	3772798.589	382.86
LOCATION	L0000500	VOLUME	459986.459	3772798.646	382.88
LOCATION	L0000501	VOLUME	459988.458	3772798.702	382.90
LOCATION	L0000502	VOLUME	459990.457	3772798.759	382.91
LOCATION	L0000503	VOLUME	459992.456	3772798.816	382.93
LOCATION	L0000504	VOLUME	459994.455	3772798.872	382.94
LOCATION	L0000505	VOLUME	459996.455	3772798.929	382.95
LOCATION	L0000506	VOLUME	459998.454	3772798.985	382.96
LOCATION	L0000507	VOLUME	460000.453	3772799.042	382.97
LOCATION	L0000508	VOLUME	460002.452	3772799.098	382.98
LOCATION	L0000509	VOLUME	460004.451	3772799.155	382.99
LOCATION	L0000510	VOLUME	460006.451	3772799.212	383.01
LOCATION	L0000511	VOLUME	460008.450	3772799.268	383.02
LOCATION	L0000512	VOLUME	460010.449	3772799.325	383.03
LOCATION	L0000513	VOLUME	460012.448	3772799.381	383.04
LOCATION	L0000514	VOLUME	460014.447	3772799.438	383.05
LOCATION	L0000515	VOLUME	460016.447	3772799.494	383.06
LOCATION	L0000516	VOLUME	460018.446	3772799.551	383.07
LOCATION	L0000517	VOLUME	460020.445	3772799.607	383.07
LOCATION	L0000518	VOLUME	460022.444	3772799.664	383.08
LOCATION	L0000519	VOLUME	460024.443	3772799.721	383.09
LOCATION	L0000520	VOLUME	460026.443	3772799.777	383.10
LOCATION	L0000521	VOLUME	460028.442	3772799.834	383.11
LOCATION	L0000522	VOLUME	460030.441	3772799.890	383.11
LOCATION	L0000523	VOLUME	460032.440	3772799.947	383.12
LOCATION	L0000524	VOLUME	460034.439	3772800.003	383.13
LOCATION	L0000525	VOLUME	460036.439	3772800.060	383.14
LOCATION	L0000526	VOLUME	460038.438	3772800.116	383.14

LOCATION	L0000527	VOLUME	460040.437	3772800.173	383.15
LOCATION	L0000528	VOLUME	460042.436	3772800.230	383.16
LOCATION	L0000529	VOLUME	460044.435	3772800.286	383.16
LOCATION	L0000530	VOLUME	460046.435	3772800.343	383.17
LOCATION	L0000531	VOLUME	460048.434	3772800.399	383.17
LOCATION	L0000532	VOLUME	460050.433	3772800.456	383.17
LOCATION	L0000533	VOLUME	460052.432	3772800.512	383.18
LOCATION	L0000534	VOLUME	460054.431	3772800.569	383.18
LOCATION	L0000535	VOLUME	460056.431	3772800.626	383.19
LOCATION	L0000536	VOLUME	460058.430	3772800.682	383.19
LOCATION	L0000537	VOLUME	460060.429	3772800.739	383.20
LOCATION	L0000538	VOLUME	460062.428	3772800.795	383.20
LOCATION	L0000539	VOLUME	460064.427	3772800.852	383.21
LOCATION	L0000540	VOLUME	460066.427	3772800.908	383.21
LOCATION	L0000541	VOLUME	460068.426	3772800.965	383.20
LOCATION	L0000542	VOLUME	460070.425	3772801.021	383.19
LOCATION	L0000543	VOLUME	460072.424	3772801.078	383.18
LOCATION	L0000544	VOLUME	460074.423	3772801.135	383.17
LOCATION	L0000545	VOLUME	460076.423	3772801.191	383.16
LOCATION	L0000546	VOLUME	460078.422	3772801.248	383.15
LOCATION	L0000547	VOLUME	460080.421	3772801.304	383.14
LOCATION	L0000548	VOLUME	460082.420	3772801.361	383.13
LOCATION	L0000549	VOLUME	460084.419	3772801.417	383.12
LOCATION	L0000550	VOLUME	460086.419	3772801.474	383.11
LOCATION	L0000551	VOLUME	460088.418	3772801.531	383.10
LOCATION	L0000552	VOLUME	460090.417	3772801.587	383.09
LOCATION	L0000553	VOLUME	460092.416	3772801.644	383.09
LOCATION	L0000554	VOLUME	460094.415	3772801.700	383.09
LOCATION	L0000555	VOLUME	460096.415	3772801.757	383.10
LOCATION	L0000556	VOLUME	460098.414	3772801.813	383.10
LOCATION	L0000557	VOLUME	460100.413	3772801.870	383.10
LOCATION	L0000558	VOLUME	460102.412	3772801.926	383.11
LOCATION	L0000559	VOLUME	460104.411	3772801.983	383.11
LOCATION	L0000560	VOLUME	460106.411	3772802.040	383.11
LOCATION	L0000561	VOLUME	460108.410	3772802.096	383.12
LOCATION	L0000562	VOLUME	460110.409	3772802.153	383.12
LOCATION	L0000563	VOLUME	460112.408	3772802.209	383.12
LOCATION	L0000564	VOLUME	460114.407	3772802.266	383.13
LOCATION	L0000565	VOLUME	460116.407	3772802.322	383.13
LOCATION	L0000566	VOLUME	460118.406	3772802.379	383.14
LOCATION	L0000567	VOLUME	460120.405	3772802.435	383.15
LOCATION	L0000568	VOLUME	460122.404	3772802.492	383.16
LOCATION	L0000569	VOLUME	460124.403	3772802.549	383.16
LOCATION	L0000570	VOLUME	460126.403	3772802.605	383.17
LOCATION	L0000571	VOLUME	460128.402	3772802.662	383.18
LOCATION	L0000572	VOLUME	460130.401	3772802.718	383.19
LOCATION	L0000573	VOLUME	460132.400	3772802.775	383.20
LOCATION	L0000574	VOLUME	460134.399	3772802.831	383.21

LOCATION	L0000575	VOLUME	460136.399	3772802.888	383.22
LOCATION	L0000576	VOLUME	460138.398	3772802.945	383.23
LOCATION	L0000577	VOLUME	460140.397	3772803.001	383.23
LOCATION	L0000578	VOLUME	460142.396	3772803.058	383.24
LOCATION	L0000579	VOLUME	460144.395	3772803.114	383.25
LOCATION	L0000580	VOLUME	460146.395	3772803.171	383.25
LOCATION	L0000581	VOLUME	460148.394	3772803.227	383.25
LOCATION	L0000582	VOLUME	460150.393	3772803.284	383.25
LOCATION	L0000583	VOLUME	460152.392	3772803.340	383.25
LOCATION	L0000584	VOLUME	460154.391	3772803.397	383.25
LOCATION	L0000585	VOLUME	460156.391	3772803.454	383.26
LOCATION	L0000586	VOLUME	460158.390	3772803.510	383.26
LOCATION	L0000587	VOLUME	460160.389	3772803.567	383.26
LOCATION	L0000588	VOLUME	460162.388	3772803.623	383.26
LOCATION	L0000589	VOLUME	460164.387	3772803.680	383.26
LOCATION	L0000590	VOLUME	460166.387	3772803.736	383.26
LOCATION	L0000591	VOLUME	460168.386	3772803.793	383.27
LOCATION	L0000592	VOLUME	460170.385	3772803.849	383.27
LOCATION	L0000593	VOLUME	460172.384	3772803.906	383.27
LOCATION	L0000594	VOLUME	460174.383	3772803.963	383.28
LOCATION	L0000595	VOLUME	460176.383	3772804.019	383.28
LOCATION	L0000596	VOLUME	460178.382	3772804.076	383.29
LOCATION	L0000597	VOLUME	460180.381	3772804.132	383.29
LOCATION	L0000598	VOLUME	460182.380	3772804.189	383.30
LOCATION	L0000599	VOLUME	460184.379	3772804.245	383.30
LOCATION	L0000600	VOLUME	460186.379	3772804.302	383.30
LOCATION	L0000601	VOLUME	460188.378	3772804.359	383.31
LOCATION	L0000602	VOLUME	460190.377	3772804.415	383.31
LOCATION	L0000603	VOLUME	460192.376	3772804.472	383.32
LOCATION	L0000604	VOLUME	460194.375	3772804.528	383.32
LOCATION	L0000605	VOLUME	460196.375	3772804.585	383.31
LOCATION	L0000606	VOLUME	460198.374	3772804.641	383.31
LOCATION	L0000607	VOLUME	460200.373	3772804.698	383.30
LOCATION	L0000608	VOLUME	460202.372	3772804.754	383.30
LOCATION	L0000609	VOLUME	460204.371	3772804.811	383.29
LOCATION	L0000610	VOLUME	460206.371	3772804.868	383.29
LOCATION	L0000611	VOLUME	460208.370	3772804.924	383.28
LOCATION	L0000612	VOLUME	460210.369	3772804.981	383.28
LOCATION	L0000613	VOLUME	460212.368	3772805.037	383.27
LOCATION	L0000614	VOLUME	460214.367	3772805.094	383.27
LOCATION	L0000615	VOLUME	460216.367	3772805.150	383.26
LOCATION	L0000616	VOLUME	460218.366	3772805.207	383.26
LOCATION	L0000617	VOLUME	460220.365	3772805.264	383.25
LOCATION	L0000618	VOLUME	460222.364	3772805.320	383.25
LOCATION	L0000619	VOLUME	460224.363	3772805.377	383.25
LOCATION	L0000620	VOLUME	460226.363	3772805.433	383.25
LOCATION	L0000621	VOLUME	460228.362	3772805.490	383.25
LOCATION	L0000622	VOLUME	460230.361	3772805.546	383.25

LOCATION	L0000623	VOLUME	460232.360	3772805.603	383.25
LOCATION	L0000624	VOLUME	460234.359	3772805.659	383.25
LOCATION	L0000625	VOLUME	460236.359	3772805.716	383.25
LOCATION	L0000626	VOLUME	460238.358	3772805.773	383.25
LOCATION	L0000627	VOLUME	460240.357	3772805.829	383.24
LOCATION	L0000628	VOLUME	460242.356	3772805.886	383.24
LOCATION	L0000629	VOLUME	460244.355	3772805.942	383.24
LOCATION	L0000630	VOLUME	460246.355	3772805.999	383.24
LOCATION	L0000631	VOLUME	460248.354	3772806.055	383.24
LOCATION	L0000632	VOLUME	460250.353	3772806.112	383.23
LOCATION	L0000633	VOLUME	460252.352	3772806.168	383.23
LOCATION	L0000634	VOLUME	460254.351	3772806.225	383.22
LOCATION	L0000635	VOLUME	460256.351	3772806.282	383.22
LOCATION	L0000636	VOLUME	460258.350	3772806.338	383.22
LOCATION	L0000637	VOLUME	460260.349	3772806.395	383.21
LOCATION	L0000638	VOLUME	460262.348	3772806.451	383.21
LOCATION	L0000639	VOLUME	460264.347	3772806.508	383.20
LOCATION	L0000640	VOLUME	460266.347	3772806.564	383.20
LOCATION	L0000641	VOLUME	460268.346	3772806.621	383.20
LOCATION	L0000642	VOLUME	460270.345	3772806.678	383.19
LOCATION	L0000643	VOLUME	460272.344	3772806.734	383.20
LOCATION	L0000644	VOLUME	460274.343	3772806.791	383.20
LOCATION	L0000645	VOLUME	460276.343	3772806.847	383.20
LOCATION	L0000646	VOLUME	460278.342	3772806.904	383.21
LOCATION	L0000647	VOLUME	460280.341	3772806.960	383.21
LOCATION	L0000648	VOLUME	460282.340	3772807.017	383.22
LOCATION	L0000649	VOLUME	460284.339	3772807.073	383.22
LOCATION	L0000650	VOLUME	460286.339	3772807.130	383.23
LOCATION	L0000651	VOLUME	460288.338	3772807.187	383.23
LOCATION	L0000652	VOLUME	460290.337	3772807.243	383.24
LOCATION	L0000653	VOLUME	460292.336	3772807.300	383.24
LOCATION	L0000654	VOLUME	460294.335	3772807.356	383.25
LOCATION	L0000655	VOLUME	460296.335	3772807.413	383.25
LOCATION	L0000656	VOLUME	460298.334	3772807.469	383.25
LOCATION	L0000657	VOLUME	460300.333	3772807.526	383.24
LOCATION	L0000658	VOLUME	460302.332	3772807.583	383.24
LOCATION	L0000659	VOLUME	460304.331	3772807.639	383.23
LOCATION	L0000660	VOLUME	460306.331	3772807.696	383.22
LOCATION	L0000661	VOLUME	460308.330	3772807.752	383.22
LOCATION	L0000662	VOLUME	460310.329	3772807.809	383.21
LOCATION	L0000663	VOLUME	460312.328	3772807.865	383.21
LOCATION	L0000664	VOLUME	460314.327	3772807.922	383.20
LOCATION	L0000665	VOLUME	460316.327	3772807.978	383.20
LOCATION	L0000666	VOLUME	460318.326	3772808.035	383.19
LOCATION	L0000667	VOLUME	460320.325	3772808.092	383.18
LOCATION	L0000668	VOLUME	460322.324	3772808.148	383.18
LOCATION	L0000669	VOLUME	460324.323	3772808.205	383.17
LOCATION	L0000670	VOLUME	460326.323	3772808.261	383.16

LOCATION	L0000671	VOLUME	460328.322	3772808.318	383.15
LOCATION	L0000672	VOLUME	460330.321	3772808.374	383.14
LOCATION	L0000673	VOLUME	460332.320	3772808.431	383.13
LOCATION	L0000674	VOLUME	460334.319	3772808.487	383.12
LOCATION	L0000675	VOLUME	460336.319	3772808.544	383.11
LOCATION	L0000676	VOLUME	460338.318	3772808.601	383.10
LOCATION	L0000677	VOLUME	460340.317	3772808.657	383.09
LOCATION	L0000678	VOLUME	460342.316	3772808.714	383.08
LOCATION	L0000679	VOLUME	460344.315	3772808.770	383.07
LOCATION	L0000680	VOLUME	460346.315	3772808.827	383.06
LOCATION	L0000681	VOLUME	460348.314	3772808.883	383.05
LOCATION	L0000682	VOLUME	460350.313	3772808.940	383.01
LOCATION	L0000683	VOLUME	460352.312	3772808.997	382.98
LOCATION	L0000684	VOLUME	460354.311	3772809.053	382.95
LOCATION	L0000685	VOLUME	460356.311	3772809.110	382.92
LOCATION	L0000686	VOLUME	460358.310	3772809.166	382.89
LOCATION	L0000687	VOLUME	460360.309	3772809.223	382.86
LOCATION	L0000688	VOLUME	460362.308	3772809.279	382.82
LOCATION	L0000689	VOLUME	460364.307	3772809.336	382.79
LOCATION	L0000690	VOLUME	460366.307	3772809.392	382.76
LOCATION	L0000691	VOLUME	460368.306	3772809.449	382.73
LOCATION	L0000692	VOLUME	460370.305	3772809.506	382.70
LOCATION	L0000693	VOLUME	460372.304	3772809.562	382.66
LOCATION	L0000694	VOLUME	460374.303	3772809.619	382.63
LOCATION	L0000695	VOLUME	460376.303	3772809.675	382.60
LOCATION	L0000696	VOLUME	460378.302	3772809.732	382.57
LOCATION	L0000697	VOLUME	460380.301	3772809.788	382.53
LOCATION	L0000698	VOLUME	460382.300	3772809.845	382.50
LOCATION	L0000699	VOLUME	460384.299	3772809.901	382.47
LOCATION	L0000700	VOLUME	460386.299	3772809.958	382.44
LOCATION	L0000701	VOLUME	460388.298	3772810.015	382.41
LOCATION	L0000702	VOLUME	460390.297	3772810.071	382.37
LOCATION	L0000703	VOLUME	460392.296	3772810.128	382.34
LOCATION	L0000704	VOLUME	460394.295	3772810.184	382.31
LOCATION	L0000705	VOLUME	460396.295	3772810.241	382.27
LOCATION	L0000706	VOLUME	460398.294	3772810.297	382.24
LOCATION	L0000707	VOLUME	460400.293	3772810.354	382.22
LOCATION	L0000708	VOLUME	460402.292	3772810.411	382.21
LOCATION	L0000709	VOLUME	460404.291	3772810.467	382.20
LOCATION	L0000710	VOLUME	460406.291	3772810.524	382.19
LOCATION	L0000711	VOLUME	460408.290	3772810.580	382.17
LOCATION	L0000712	VOLUME	460410.289	3772810.637	382.16
LOCATION	L0000713	VOLUME	460412.288	3772810.693	382.15
LOCATION	L0000714	VOLUME	460414.287	3772810.750	382.14
LOCATION	L0000715	VOLUME	460416.287	3772810.806	382.12
LOCATION	L0000716	VOLUME	460418.286	3772810.863	382.11
LOCATION	L0000717	VOLUME	460420.285	3772810.920	382.10
LOCATION	L0000718	VOLUME	460422.284	3772810.976	382.09

LOCATION	L0000719	VOLUME	460424.283	3772811.033	382.07
LOCATION	L0000720	VOLUME	460426.283	3772811.089	382.07
LOCATION	L0000721	VOLUME	460428.282	3772811.146	382.07
LOCATION	L0000722	VOLUME	460430.281	3772811.202	382.07
LOCATION	L0000723	VOLUME	460432.280	3772811.259	382.07
LOCATION	L0000724	VOLUME	460434.279	3772811.316	382.07
LOCATION	L0000725	VOLUME	460436.279	3772811.372	382.07
LOCATION	L0000726	VOLUME	460438.278	3772811.429	382.07
LOCATION	L0000727	VOLUME	460440.277	3772811.485	382.07
LOCATION	L0000728	VOLUME	460442.276	3772811.542	382.07
LOCATION	L0000729	VOLUME	460444.275	3772811.598	382.07
LOCATION	L0000730	VOLUME	460446.275	3772811.655	382.07
LOCATION	L0000731	VOLUME	460448.274	3772811.711	382.07
LOCATION	L0000732	VOLUME	460450.273	3772811.768	382.08
LOCATION	L0000733	VOLUME	460452.272	3772811.825	382.08
LOCATION	L0000734	VOLUME	460454.271	3772811.881	382.09
LOCATION	L0000735	VOLUME	460456.271	3772811.938	382.09
LOCATION	L0000736	VOLUME	460458.270	3772811.994	382.10
LOCATION	L0000737	VOLUME	460460.269	3772812.051	382.10
LOCATION	L0000738	VOLUME	460462.268	3772812.107	382.11
LOCATION	L0000739	VOLUME	460464.267	3772812.164	382.12
LOCATION	L0000740	VOLUME	460466.267	3772812.220	382.12
LOCATION	L0000741	VOLUME	460468.266	3772812.277	382.13
LOCATION	L0000742	VOLUME	460470.265	3772812.334	382.13
LOCATION	L0000743	VOLUME	460472.264	3772812.390	382.14
LOCATION	L0000744	VOLUME	460474.263	3772812.447	382.14
LOCATION	L0000745	VOLUME	460476.263	3772812.503	382.15
LOCATION	L0000746	VOLUME	460478.262	3772812.560	382.16
LOCATION	L0000747	VOLUME	460480.261	3772812.616	382.17
LOCATION	L0000748	VOLUME	460482.260	3772812.673	382.18
LOCATION	L0000749	VOLUME	460484.259	3772812.730	382.19
LOCATION	L0000750	VOLUME	460486.259	3772812.786	382.20
LOCATION	L0000751	VOLUME	460488.258	3772812.843	382.21
LOCATION	L0000752	VOLUME	460490.257	3772812.899	382.22
LOCATION	L0000753	VOLUME	460492.256	3772812.956	382.23
LOCATION	L0000754	VOLUME	460494.255	3772813.012	382.24
LOCATION	L0000755	VOLUME	460496.255	3772813.069	382.25
LOCATION	L0000756	VOLUME	460498.254	3772813.125	382.26
LOCATION	L0000757	VOLUME	460500.253	3772813.182	382.27
LOCATION	L0000758	VOLUME	460502.252	3772813.239	382.28
LOCATION	L0000759	VOLUME	460504.251	3772813.295	382.28
LOCATION	L0000760	VOLUME	460506.251	3772813.352	382.28
LOCATION	L0000761	VOLUME	460508.250	3772813.408	382.29
LOCATION	L0000762	VOLUME	460510.249	3772813.465	382.29
LOCATION	L0000763	VOLUME	460512.248	3772813.521	382.29
LOCATION	L0000764	VOLUME	460514.247	3772813.578	382.30
LOCATION	L0000765	VOLUME	460516.247	3772813.634	382.30
LOCATION	L0000766	VOLUME	460518.246	3772813.691	382.30

LOCATION	L0000767	VOLUME	460520.245	3772813.748	382.31
LOCATION	L0000768	VOLUME	460522.244	3772813.804	382.31
LOCATION	L0000769	VOLUME	460524.243	3772813.861	382.31
LOCATION	L0000770	VOLUME	460526.243	3772813.917	382.32
LOCATION	L0000771	VOLUME	460528.242	3772813.974	382.32
LOCATION	L0000772	VOLUME	460530.241	3772814.030	382.32
LOCATION	L0000773	VOLUME	460532.240	3772814.087	382.31
LOCATION	L0000774	VOLUME	460534.239	3772814.144	382.31
LOCATION	L0000775	VOLUME	460536.239	3772814.200	382.31
LOCATION	L0000776	VOLUME	460538.238	3772814.257	382.31
LOCATION	L0000777	VOLUME	460540.237	3772814.313	382.30
LOCATION	L0000778	VOLUME	460542.236	3772814.370	382.30
LOCATION	L0000779	VOLUME	460544.235	3772814.426	382.30
LOCATION	L0000780	VOLUME	460546.235	3772814.483	382.30
LOCATION	L0000781	VOLUME	460548.234	3772814.539	382.29
LOCATION	L0000782	VOLUME	460550.233	3772814.596	382.29
LOCATION	L0000783	VOLUME	460552.232	3772814.653	382.29
LOCATION	L0000784	VOLUME	460554.231	3772814.709	382.29
LOCATION	L0000785	VOLUME	460556.231	3772814.766	382.30
LOCATION	L0000786	VOLUME	460558.230	3772814.822	382.30
LOCATION	L0000787	VOLUME	460560.229	3772814.879	382.30
LOCATION	L0000788	VOLUME	460562.228	3772814.935	382.31
LOCATION	L0000789	VOLUME	460564.227	3772814.992	382.31
LOCATION	L0000790	VOLUME	460566.227	3772815.049	382.31
LOCATION	L0000791	VOLUME	460568.226	3772815.105	382.32
LOCATION	L0000792	VOLUME	460570.225	3772815.162	382.32
LOCATION	L0000793	VOLUME	460572.224	3772815.218	382.33
LOCATION	L0000794	VOLUME	460574.223	3772815.275	382.33
LOCATION	L0000795	VOLUME	460576.223	3772815.331	382.33
LOCATION	L0000796	VOLUME	460578.222	3772815.388	382.34
LOCATION	L0000797	VOLUME	460580.221	3772815.444	382.34
LOCATION	L0000798	VOLUME	460582.220	3772815.501	382.34
LOCATION	L0000799	VOLUME	460584.219	3772815.558	382.34
LOCATION	L0000800	VOLUME	460586.219	3772815.614	382.34
LOCATION	L0000801	VOLUME	460588.218	3772815.671	382.34
LOCATION	L0000802	VOLUME	460590.217	3772815.727	382.34
LOCATION	L0000803	VOLUME	460592.216	3772815.784	382.35
LOCATION	L0000804	VOLUME	460594.215	3772815.840	382.35
LOCATION	L0000805	VOLUME	460596.215	3772815.897	382.35
LOCATION	L0000806	VOLUME	460598.214	3772815.953	382.35
LOCATION	L0000807	VOLUME	460600.213	3772816.010	382.35
LOCATION	L0000808	VOLUME	460602.212	3772816.067	382.35
LOCATION	L0000809	VOLUME	460604.211	3772816.123	382.35
LOCATION	L0000810	VOLUME	460606.211	3772816.180	382.34
LOCATION	L0000811	VOLUME	460608.210	3772816.236	382.32
LOCATION	L0000812	VOLUME	460610.209	3772816.293	382.30
LOCATION	L0000813	VOLUME	460612.208	3772816.349	382.29
LOCATION	L0000814	VOLUME	460614.207	3772816.406	382.27

LOCATION	L0000815	VOLUME	460616.207	3772816.463	382.26
LOCATION	L0000816	VOLUME	460618.206	3772816.519	382.24
LOCATION	L0000817	VOLUME	460620.205	3772816.576	382.23
LOCATION	L0000818	VOLUME	460622.204	3772816.632	382.21
LOCATION	L0000819	VOLUME	460624.203	3772816.689	382.20
LOCATION	L0000820	VOLUME	460626.203	3772816.745	382.18
LOCATION	L0000821	VOLUME	460628.202	3772816.802	382.17
LOCATION	L0000822	VOLUME	460630.201	3772816.858	382.16
LOCATION	L0000823	VOLUME	460632.200	3772816.915	382.15
LOCATION	L0000824	VOLUME	460634.199	3772816.972	382.13
LOCATION	L0000825	VOLUME	460636.199	3772817.028	382.12
LOCATION	L0000826	VOLUME	460638.198	3772817.085	382.11
LOCATION	L0000827	VOLUME	460640.197	3772817.141	382.10
LOCATION	L0000828	VOLUME	460642.196	3772817.198	382.09
LOCATION	L0000829	VOLUME	460644.195	3772817.254	382.08
LOCATION	L0000830	VOLUME	460646.195	3772817.311	382.07
LOCATION	L0000831	VOLUME	460648.194	3772817.367	382.06
LOCATION	L0000832	VOLUME	460650.193	3772817.424	382.05
LOCATION	L0000833	VOLUME	460652.192	3772817.481	382.04
LOCATION	L0000834	VOLUME	460654.191	3772817.537	382.03
LOCATION	L0000835	VOLUME	460656.191	3772817.594	382.03
LOCATION	L0000836	VOLUME	460658.190	3772817.650	382.02
LOCATION	L0000837	VOLUME	460660.189	3772817.707	382.02
LOCATION	L0000838	VOLUME	460662.188	3772817.763	382.02
LOCATION	L0000839	VOLUME	460664.187	3772817.820	382.01
LOCATION	L0000840	VOLUME	460666.187	3772817.877	382.01
LOCATION	L0000841	VOLUME	460668.186	3772817.933	382.00
LOCATION	L0000842	VOLUME	460670.185	3772817.990	382.00
LOCATION	L0000843	VOLUME	460672.184	3772818.046	381.99
LOCATION	L0000844	VOLUME	460674.183	3772818.103	381.99
LOCATION	L0000845	VOLUME	460676.183	3772818.159	381.98
LOCATION	L0000846	VOLUME	460678.182	3772818.216	381.98
LOCATION	L0000847	VOLUME	460680.181	3772818.272	381.97
LOCATION	L0000848	VOLUME	460682.180	3772818.329	381.97
LOCATION	L0000849	VOLUME	460684.179	3772818.386	381.96
LOCATION	L0000850	VOLUME	460686.179	3772818.442	381.96
LOCATION	L0000851	VOLUME	460688.178	3772818.499	381.96
LOCATION	L0000852	VOLUME	460690.177	3772818.555	381.95
LOCATION	L0000853	VOLUME	460692.176	3772818.612	381.95
LOCATION	L0000854	VOLUME	460694.175	3772818.668	381.95
LOCATION	L0000855	VOLUME	460696.175	3772818.725	381.94
LOCATION	L0000856	VOLUME	460698.174	3772818.782	381.94
LOCATION	L0000857	VOLUME	460700.173	3772818.838	381.94
LOCATION	L0000858	VOLUME	460702.172	3772818.895	381.93
LOCATION	L0000859	VOLUME	460704.171	3772818.951	381.93
LOCATION	L0000860	VOLUME	460706.171	3772819.008	381.92
LOCATION	L0000861	VOLUME	460708.170	3772819.064	381.92
LOCATION	L0000862	VOLUME	460710.169	3772819.121	381.93

LOCATION	L0000863	VOLUME	460712.168	3772819.177	381.93
LOCATION	L0000864	VOLUME	460714.167	3772819.234	381.93
LOCATION	L0000865	VOLUME	460716.167	3772819.291	381.93
LOCATION	L0000866	VOLUME	460718.166	3772819.347	381.93
LOCATION	L0000867	VOLUME	460720.165	3772819.404	381.93
LOCATION	L0000868	VOLUME	460722.164	3772819.460	381.93
LOCATION	L0000869	VOLUME	460724.163	3772819.517	381.93
LOCATION	L0000870	VOLUME	460726.163	3772819.573	381.93
LOCATION	L0000871	VOLUME	460728.162	3772819.630	381.93
LOCATION	L0000872	VOLUME	460730.161	3772819.686	381.93
LOCATION	L0000873	VOLUME	460732.160	3772819.743	381.93
LOCATION	L0000874	VOLUME	460734.159	3772819.800	381.93
LOCATION	L0000875	VOLUME	460736.159	3772819.856	381.93
LOCATION	L0000876	VOLUME	460738.158	3772819.913	381.93
LOCATION	L0000877	VOLUME	460740.157	3772819.969	381.93
LOCATION	L0000878	VOLUME	460742.156	3772820.026	381.93
LOCATION	L0000879	VOLUME	460744.155	3772820.082	381.93
LOCATION	L0000880	VOLUME	460746.155	3772820.139	381.93
LOCATION	L0000881	VOLUME	460748.154	3772820.196	381.93
LOCATION	L0000882	VOLUME	460750.153	3772820.252	381.93
LOCATION	L0000883	VOLUME	460752.152	3772820.309	381.93
LOCATION	L0000884	VOLUME	460754.151	3772820.365	381.93
LOCATION	L0000885	VOLUME	460756.151	3772820.422	381.93
LOCATION	L0000886	VOLUME	460758.150	3772820.478	381.93
LOCATION	L0000887	VOLUME	460760.149	3772820.535	381.93
LOCATION	L0000888	VOLUME	460762.148	3772820.591	381.94
LOCATION	L0000889	VOLUME	460764.147	3772820.648	381.94
LOCATION	L0000890	VOLUME	460766.147	3772820.705	381.95
LOCATION	L0000891	VOLUME	460768.146	3772820.761	381.95
LOCATION	L0000892	VOLUME	460770.145	3772820.818	381.96
LOCATION	L0000893	VOLUME	460772.144	3772820.874	381.96
LOCATION	L0000894	VOLUME	460774.143	3772820.931	381.97
LOCATION	L0000895	VOLUME	460776.143	3772820.987	381.97
LOCATION	L0000896	VOLUME	460778.142	3772821.044	381.98
LOCATION	L0000897	VOLUME	460780.141	3772821.101	381.98
LOCATION	L0000898	VOLUME	460782.140	3772821.157	381.99
LOCATION	L0000899	VOLUME	460784.139	3772821.214	381.99
LOCATION	L0000900	VOLUME	460786.139	3772821.270	382.00
LOCATION	L0000901	VOLUME	460788.138	3772821.327	382.00
LOCATION	L0000902	VOLUME	460790.137	3772821.383	382.01
LOCATION	L0000903	VOLUME	460792.136	3772821.440	382.01
LOCATION	L0000904	VOLUME	460794.135	3772821.496	382.02
LOCATION	L0000905	VOLUME	460796.135	3772821.553	382.02
LOCATION	L0000906	VOLUME	460798.134	3772821.610	382.03
LOCATION	L0000907	VOLUME	460800.133	3772821.666	382.03
LOCATION	L0000908	VOLUME	460802.132	3772821.723	382.04
LOCATION	L0000909	VOLUME	460804.131	3772821.779	382.04
LOCATION	L0000910	VOLUME	460806.131	3772821.836	382.05

LOCATION	L0000911	VOLUME	460808.130	3772821.892	382.06
LOCATION	L0000912	VOLUME	460810.129	3772821.949	382.06
LOCATION	L0000913	VOLUME	460812.128	3772822.005	382.06
LOCATION	L0000914	VOLUME	460814.127	3772822.062	382.06
LOCATION	L0000915	VOLUME	460816.127	3772822.119	382.06
LOCATION	L0000916	VOLUME	460818.126	3772822.175	382.06
LOCATION	L0000917	VOLUME	460820.125	3772822.232	382.06
LOCATION	L0000918	VOLUME	460822.124	3772822.288	382.06
LOCATION	L0000919	VOLUME	460824.123	3772822.345	382.06
LOCATION	L0000920	VOLUME	460826.123	3772822.401	382.06
LOCATION	L0000921	VOLUME	460828.122	3772822.458	382.06
LOCATION	L0000922	VOLUME	460830.121	3772822.515	382.06
LOCATION	L0000923	VOLUME	460832.120	3772822.571	382.06
LOCATION	L0000924	VOLUME	460834.119	3772822.628	382.06
LOCATION	L0000925	VOLUME	460836.119	3772822.684	382.06
LOCATION	L0000926	VOLUME	460838.118	3772822.741	382.07
LOCATION	L0000927	VOLUME	460840.117	3772822.797	382.07
LOCATION	L0000928	VOLUME	460842.116	3772822.854	382.07
LOCATION	L0000929	VOLUME	460844.115	3772822.910	382.07
LOCATION	L0000930	VOLUME	460846.115	3772822.967	382.07
LOCATION	L0000931	VOLUME	460848.114	3772823.024	382.07
LOCATION	L0000932	VOLUME	460850.113	3772823.080	382.08
LOCATION	L0000933	VOLUME	460852.112	3772823.137	382.08
LOCATION	L0000934	VOLUME	460854.111	3772823.193	382.08
LOCATION	L0000935	VOLUME	460856.111	3772823.250	382.08
LOCATION	L0000936	VOLUME	460858.110	3772823.306	382.08
LOCATION	L0000937	VOLUME	460860.109	3772823.363	382.09
LOCATION	L0000938	VOLUME	460862.108	3772823.419	382.09
LOCATION	L0000939	VOLUME	460864.107	3772823.476	382.09
LOCATION	L0000940	VOLUME	460866.107	3772823.533	382.09
LOCATION	L0000941	VOLUME	460868.106	3772823.589	382.09
LOCATION	L0000942	VOLUME	460870.105	3772823.646	382.09
LOCATION	L0000943	VOLUME	460872.104	3772823.702	382.09
LOCATION	L0000944	VOLUME	460874.103	3772823.759	382.09
LOCATION	L0000945	VOLUME	460876.103	3772823.815	382.09
LOCATION	L0000946	VOLUME	460878.102	3772823.872	382.10
LOCATION	L0000947	VOLUME	460880.101	3772823.929	382.10
LOCATION	L0000948	VOLUME	460882.100	3772823.985	382.10
LOCATION	L0000949	VOLUME	460884.099	3772824.042	382.10
LOCATION	L0000950	VOLUME	460886.099	3772824.098	382.10
LOCATION	L0000951	VOLUME	460888.098	3772824.155	382.10
LOCATION	L0000952	VOLUME	460890.097	3772824.211	382.10
LOCATION	L0000953	VOLUME	460892.096	3772824.268	382.10
LOCATION	L0000954	VOLUME	460894.095	3772824.324	382.10
LOCATION	L0000955	VOLUME	460896.095	3772824.381	382.10
LOCATION	L0000956	VOLUME	460898.094	3772824.438	382.10
LOCATION	L0000957	VOLUME	460900.093	3772824.494	382.10
LOCATION	L0000958	VOLUME	460902.092	3772824.551	382.10

LOCATION	L0000959	VOLUME	460904.091	3772824.607	382.10
LOCATION	L0000960	VOLUME	460906.091	3772824.664	382.10
LOCATION	L0000961	VOLUME	460908.090	3772824.720	382.10
LOCATION	L0000962	VOLUME	460910.089	3772824.777	382.10
LOCATION	L0000963	VOLUME	460912.088	3772824.834	382.10
LOCATION	L0000964	VOLUME	460914.087	3772824.890	382.10
LOCATION	L0000965	VOLUME	460916.087	3772824.947	382.09
LOCATION	L0000966	VOLUME	460918.086	3772825.003	382.09
LOCATION	L0000967	VOLUME	460920.085	3772825.060	382.09
LOCATION	L0000968	VOLUME	460922.084	3772825.116	382.08
LOCATION	L0000969	VOLUME	460924.083	3772825.173	382.08
LOCATION	L0000970	VOLUME	460926.083	3772825.229	382.08
LOCATION	L0000971	VOLUME	460928.082	3772825.286	382.07
LOCATION	L0000972	VOLUME	460930.081	3772825.343	382.07
LOCATION	L0000973	VOLUME	460932.080	3772825.399	382.07
LOCATION	L0000974	VOLUME	460934.079	3772825.456	382.06
LOCATION	L0000975	VOLUME	460936.079	3772825.512	382.06
LOCATION	L0000976	VOLUME	460938.078	3772825.569	382.06
LOCATION	L0000977	VOLUME	460940.077	3772825.625	382.06
LOCATION	L0000978	VOLUME	460942.076	3772825.682	382.06
LOCATION	L0000979	VOLUME	460944.075	3772825.738	382.06
LOCATION	L0000980	VOLUME	460946.075	3772825.795	382.06
LOCATION	L0000981	VOLUME	460948.074	3772825.852	382.05
LOCATION	L0000982	VOLUME	460950.073	3772825.908	382.05
LOCATION	L0000983	VOLUME	460952.072	3772825.965	382.05
LOCATION	L0000984	VOLUME	460954.071	3772826.021	382.05
LOCATION	L0000985	VOLUME	460956.071	3772826.078	382.05
LOCATION	L0000986	VOLUME	460958.070	3772826.134	382.05
LOCATION	L0000987	VOLUME	460960.069	3772826.191	382.05
LOCATION	L0000988	VOLUME	460962.068	3772826.248	382.05
LOCATION	L0000989	VOLUME	460964.067	3772826.304	382.05
LOCATION	L0000990	VOLUME	460966.067	3772826.361	382.05
LOCATION	L0000991	VOLUME	460968.066	3772826.417	382.05
LOCATION	L0000992	VOLUME	460970.065	3772826.474	382.05
LOCATION	L0000993	VOLUME	460972.064	3772826.530	382.05
LOCATION	L0000994	VOLUME	460974.063	3772826.587	382.06
LOCATION	L0000995	VOLUME	460976.063	3772826.643	382.06
LOCATION	L0000996	VOLUME	460978.062	3772826.700	382.06
LOCATION	L0000997	VOLUME	460980.061	3772826.757	382.06
LOCATION	L0000998	VOLUME	460982.060	3772826.813	382.06
LOCATION	L0000999	VOLUME	460984.059	3772826.870	382.06
LOCATION	L0001000	VOLUME	460986.059	3772826.926	382.06
LOCATION	L0001001	VOLUME	460988.058	3772826.983	382.07
LOCATION	L0001002	VOLUME	460990.057	3772827.039	382.08
LOCATION	L0001003	VOLUME	460992.056	3772827.096	382.09
LOCATION	L0001004	VOLUME	460994.055	3772827.152	382.10
LOCATION	L0001005	VOLUME	460996.055	3772827.209	382.11
LOCATION	L0001006	VOLUME	460998.054	3772827.266	382.12

LOCATION	L0001007	VOLUME	461000.053	3772827.322	382.13
LOCATION	L0001008	VOLUME	461002.052	3772827.379	382.14
LOCATION	L0001009	VOLUME	461004.051	3772827.435	382.15
LOCATION	L0001010	VOLUME	461006.051	3772827.492	382.17
LOCATION	L0001011	VOLUME	461008.050	3772827.548	382.18
LOCATION	L0001012	VOLUME	461010.049	3772827.605	382.19
LOCATION	L0001013	VOLUME	461012.048	3772827.662	382.20
LOCATION	L0001014	VOLUME	461014.047	3772827.718	382.21
LOCATION	L0001015	VOLUME	461016.047	3772827.775	382.22
LOCATION	L0001016	VOLUME	461018.046	3772827.831	382.23
LOCATION	L0001017	VOLUME	461020.045	3772827.888	382.24
LOCATION	L0001018	VOLUME	461022.044	3772827.944	382.25
LOCATION	L0001019	VOLUME	461024.043	3772828.001	382.26
LOCATION	L0001020	VOLUME	461026.043	3772828.057	382.27
LOCATION	L0001021	VOLUME	461028.042	3772828.114	382.28
LOCATION	L0001022	VOLUME	461030.041	3772828.171	382.29
LOCATION	L0001023	VOLUME	461032.040	3772828.227	382.30
LOCATION	L0001024	VOLUME	461034.039	3772828.284	382.31
LOCATION	L0001025	VOLUME	461036.039	3772828.340	382.32
LOCATION	L0001026	VOLUME	461038.038	3772828.397	382.33
LOCATION	L0001027	VOLUME	461040.037	3772828.453	382.34
LOCATION	L0001028	VOLUME	461042.036	3772828.510	382.34
LOCATION	L0001029	VOLUME	461044.035	3772828.567	382.35
LOCATION	L0001030	VOLUME	461046.035	3772828.623	382.35
LOCATION	L0001031	VOLUME	461048.034	3772828.680	382.35
LOCATION	L0001032	VOLUME	461050.033	3772828.736	382.35
LOCATION	L0001033	VOLUME	461052.032	3772828.793	382.35
LOCATION	L0001034	VOLUME	461054.031	3772828.849	382.36
LOCATION	L0001035	VOLUME	461056.031	3772828.906	382.36
LOCATION	L0001036	VOLUME	461058.030	3772828.962	382.36
LOCATION	L0001037	VOLUME	461060.029	3772829.019	382.36
LOCATION	L0001038	VOLUME	461062.028	3772829.076	382.37
LOCATION	L0001039	VOLUME	461064.027	3772829.132	382.37
LOCATION	L0001040	VOLUME	461066.027	3772829.189	382.37
LOCATION	L0001041	VOLUME	461068.026	3772829.245	382.37
LOCATION	L0001042	VOLUME	461070.025	3772829.302	382.38
LOCATION	L0001043	VOLUME	461072.024	3772829.358	382.38
LOCATION	L0001044	VOLUME	461074.023	3772829.415	382.38
LOCATION	L0001045	VOLUME	461076.023	3772829.471	382.38
LOCATION	L0001046	VOLUME	461078.022	3772829.528	382.38
LOCATION	L0001047	VOLUME	461080.021	3772829.585	382.38
LOCATION	L0001048	VOLUME	461082.020	3772829.641	382.39
LOCATION	L0001049	VOLUME	461084.019	3772829.698	382.39
LOCATION	L0001050	VOLUME	461086.019	3772829.754	382.39
LOCATION	L0001051	VOLUME	461088.018	3772829.811	382.39
LOCATION	L0001052	VOLUME	461090.017	3772829.867	382.39
LOCATION	L0001053	VOLUME	461092.016	3772829.924	382.39
LOCATION	L0001054	VOLUME	461094.015	3772829.981	382.40

LOCATION	L0001055	VOLUME	461096.015	3772830.037	382.40
LOCATION	L0001056	VOLUME	461098.014	3772830.094	382.40
LOCATION	L0001057	VOLUME	461100.013	3772830.150	382.40
LOCATION	L0001058	VOLUME	461102.012	3772830.207	382.40
LOCATION	L0001059	VOLUME	461104.011	3772830.263	382.40
LOCATION	L0001060	VOLUME	461106.011	3772830.320	382.41
LOCATION	L0001061	VOLUME	461108.010	3772830.376	382.41
LOCATION	L0001062	VOLUME	461110.009	3772830.433	382.41
LOCATION	L0001063	VOLUME	461112.008	3772830.490	382.41
LOCATION	L0001064	VOLUME	461114.007	3772830.546	382.41
LOCATION	L0001065	VOLUME	461116.007	3772830.603	382.42
LOCATION	L0001066	VOLUME	461118.006	3772830.659	382.42
LOCATION	L0001067	VOLUME	461120.005	3772830.716	382.42
LOCATION	L0001068	VOLUME	461122.004	3772830.772	382.43
LOCATION	L0001069	VOLUME	461124.003	3772830.829	382.43
LOCATION	L0001070	VOLUME	461126.003	3772830.885	382.43
LOCATION	L0001071	VOLUME	461128.002	3772830.942	382.43
LOCATION	L0001072	VOLUME	461130.001	3772830.999	382.44
LOCATION	L0001073	VOLUME	461132.000	3772831.055	382.44
LOCATION	L0001074	VOLUME	461133.999	3772831.112	382.44
LOCATION	L0001075	VOLUME	461135.999	3772831.168	382.45
LOCATION	L0001076	VOLUME	461137.998	3772831.225	382.45
LOCATION	L0001077	VOLUME	461139.997	3772831.281	382.45
LOCATION	L0001078	VOLUME	461141.996	3772831.338	382.46
LOCATION	L0001079	VOLUME	461143.995	3772831.395	382.46
LOCATION	L0001080	VOLUME	461145.995	3772831.451	382.47
LOCATION	L0001081	VOLUME	461147.994	3772831.508	382.47
LOCATION	L0001082	VOLUME	461149.993	3772831.564	382.47
LOCATION	L0001083	VOLUME	461151.992	3772831.621	382.48
LOCATION	L0001084	VOLUME	461153.991	3772831.677	382.48
LOCATION	L0001085	VOLUME	461155.991	3772831.734	382.48
LOCATION	L0001086	VOLUME	461157.990	3772831.790	382.49
LOCATION	L0001087	VOLUME	461159.989	3772831.847	382.49
LOCATION	L0001088	VOLUME	461161.988	3772831.904	382.50
LOCATION	L0001089	VOLUME	461163.987	3772831.960	382.50
LOCATION	L0001090	VOLUME	461165.987	3772832.017	382.50
LOCATION	L0001091	VOLUME	461167.986	3772832.073	382.51
LOCATION	L0001092	VOLUME	461169.985	3772832.130	382.51
LOCATION	L0001093	VOLUME	461171.984	3772832.186	382.52
LOCATION	L0001094	VOLUME	461173.983	3772832.243	382.52
LOCATION	L0001095	VOLUME	461175.983	3772832.300	382.53
LOCATION	L0001096	VOLUME	461177.982	3772832.356	382.53
LOCATION	L0001097	VOLUME	461179.981	3772832.413	382.53
LOCATION	L0001098	VOLUME	461181.980	3772832.469	382.54
LOCATION	L0001099	VOLUME	461183.979	3772832.526	382.54
LOCATION	L0001100	VOLUME	461185.979	3772832.582	382.55
LOCATION	L0001101	VOLUME	461187.978	3772832.639	382.55
LOCATION	L0001102	VOLUME	461189.977	3772832.695	382.56

LOCATION	L0001103	VOLUME	461191.976	3772832.752	382.56
LOCATION	L0001104	VOLUME	461193.975	3772832.809	382.56
LOCATION	L0001105	VOLUME	461195.975	3772832.865	382.54
LOCATION	L0001106	VOLUME	461197.974	3772832.922	382.52
LOCATION	L0001107	VOLUME	461199.973	3772832.978	382.51
LOCATION	L0001108	VOLUME	461201.972	3772833.035	382.49
LOCATION	L0001109	VOLUME	461203.971	3772833.091	382.47
LOCATION	L0001110	VOLUME	461205.971	3772833.148	382.45
LOCATION	L0001111	VOLUME	461207.970	3772833.204	382.44
LOCATION	L0001112	VOLUME	461209.969	3772833.261	382.42
LOCATION	L0001113	VOLUME	461211.968	3772833.318	382.40
LOCATION	L0001114	VOLUME	461213.967	3772833.374	382.38
LOCATION	L0001115	VOLUME	461215.967	3772833.431	382.36
LOCATION	L0001116	VOLUME	461217.966	3772833.487	382.34
LOCATION	L0001117	VOLUME	461219.965	3772833.544	382.33
LOCATION	L0001118	VOLUME	461221.964	3772833.600	382.31
LOCATION	L0001119	VOLUME	461223.963	3772833.657	382.30
LOCATION	L0001120	VOLUME	461225.963	3772833.714	382.28
LOCATION	L0001121	VOLUME	461227.962	3772833.770	382.27
LOCATION	L0001122	VOLUME	461229.961	3772833.827	382.26
LOCATION	L0001123	VOLUME	461231.960	3772833.883	382.24
LOCATION	L0001124	VOLUME	461233.959	3772833.940	382.23
LOCATION	L0001125	VOLUME	461235.959	3772833.996	382.21
LOCATION	L0001126	VOLUME	461237.958	3772834.053	382.20
LOCATION	L0001127	VOLUME	461239.957	3772834.109	382.18
LOCATION	L0001128	VOLUME	461241.956	3772834.166	382.17
LOCATION	L0001129	VOLUME	461243.955	3772834.223	382.16
LOCATION	L0001130	VOLUME	461245.955	3772834.279	382.15
LOCATION	L0001131	VOLUME	461247.954	3772834.336	382.15
LOCATION	L0001132	VOLUME	461249.953	3772834.392	382.14
LOCATION	L0001133	VOLUME	461251.952	3772834.449	382.14
LOCATION	L0001134	VOLUME	461253.951	3772834.505	382.14
LOCATION	L0001135	VOLUME	461255.951	3772834.562	382.14
LOCATION	L0001136	VOLUME	461257.950	3772834.618	382.13
LOCATION	L0001137	VOLUME	461259.949	3772834.675	382.13
LOCATION	L0001138	VOLUME	461261.948	3772834.732	382.13
LOCATION	L0001139	VOLUME	461263.947	3772834.788	382.12
LOCATION	L0001140	VOLUME	461265.947	3772834.845	382.12
LOCATION	L0001141	VOLUME	461267.946	3772834.901	382.12
LOCATION	L0001142	VOLUME	461269.945	3772834.958	382.11
LOCATION	L0001143	VOLUME	461271.944	3772835.014	382.11
LOCATION	L0001144	VOLUME	461273.943	3772835.071	382.11
LOCATION	L0001145	VOLUME	461275.943	3772835.128	382.10
LOCATION	L0001146	VOLUME	461277.942	3772835.184	382.10
LOCATION	L0001147	VOLUME	461279.941	3772835.241	382.10
LOCATION	L0001148	VOLUME	461281.940	3772835.297	382.09
LOCATION	L0001149	VOLUME	461283.939	3772835.354	382.09
LOCATION	L0001150	VOLUME	461285.939	3772835.410	382.08

LOCATION	L0001151	VOLUME	461287.938	3772835.467	382.08
LOCATION	L0001152	VOLUME	461289.937	3772835.523	382.08
LOCATION	L0001153	VOLUME	461291.936	3772835.580	382.07
LOCATION	L0001154	VOLUME	461293.935	3772835.637	382.07
LOCATION	L0001155	VOLUME	461295.935	3772835.693	382.06
LOCATION	L0001156	VOLUME	461297.934	3772835.750	382.06
LOCATION	L0001157	VOLUME	461299.933	3772835.806	382.05
LOCATION	L0001158	VOLUME	461301.932	3772835.863	382.05
LOCATION	L0001159	VOLUME	461303.931	3772835.919	382.04
LOCATION	L0001160	VOLUME	461305.931	3772835.976	382.04
LOCATION	L0001161	VOLUME	461307.930	3772836.033	382.03
LOCATION	L0001162	VOLUME	461309.929	3772836.089	382.03
LOCATION	L0001163	VOLUME	461311.928	3772836.146	382.02
LOCATION	L0001164	VOLUME	461313.927	3772836.202	382.02
LOCATION	L0001165	VOLUME	461315.927	3772836.259	382.01
LOCATION	L0001166	VOLUME	461317.926	3772836.315	382.01
LOCATION	L0001167	VOLUME	461319.925	3772836.372	382.00
LOCATION	L0001168	VOLUME	461321.924	3772836.428	382.00
LOCATION	L0001169	VOLUME	461323.923	3772836.485	381.99
LOCATION	L0001170	VOLUME	461325.923	3772836.542	381.98
LOCATION	L0001171	VOLUME	461327.922	3772836.598	381.98
LOCATION	L0001172	VOLUME	461329.921	3772836.655	381.97
LOCATION	L0001173	VOLUME	461331.920	3772836.711	381.96
LOCATION	L0001174	VOLUME	461333.919	3772836.768	381.96
LOCATION	L0001175	VOLUME	461335.919	3772836.824	381.95
LOCATION	L0001176	VOLUME	461337.918	3772836.881	381.94
LOCATION	L0001177	VOLUME	461339.917	3772836.937	381.94
LOCATION	L0001178	VOLUME	461341.916	3772836.994	381.93
LOCATION	L0001179	VOLUME	461343.915	3772837.051	381.92
LOCATION	L0001180	VOLUME	461345.915	3772837.107	381.92
LOCATION	L0001181	VOLUME	461347.914	3772837.164	381.91
LOCATION	L0001182	VOLUME	461349.913	3772837.220	381.91
LOCATION	L0001183	VOLUME	461351.912	3772837.277	381.90
LOCATION	L0001184	VOLUME	461353.911	3772837.333	381.90
LOCATION	L0001185	VOLUME	461355.911	3772837.390	381.90
LOCATION	L0001186	VOLUME	461357.910	3772837.447	381.89
LOCATION	L0001187	VOLUME	461359.909	3772837.503	381.89
LOCATION	L0001188	VOLUME	461361.908	3772837.560	381.88
LOCATION	L0001189	VOLUME	461363.907	3772837.616	381.88
LOCATION	L0001190	VOLUME	461365.907	3772837.673	381.87
LOCATION	L0001191	VOLUME	461367.906	3772837.729	381.87
LOCATION	L0001192	VOLUME	461369.905	3772837.786	381.86
LOCATION	L0001193	VOLUME	461371.904	3772837.842	381.86
LOCATION	L0001194	VOLUME	461373.903	3772837.899	381.86
LOCATION	L0001195	VOLUME	461375.903	3772837.956	381.87
LOCATION	L0001196	VOLUME	461377.902	3772838.012	381.88
LOCATION	L0001197	VOLUME	461379.901	3772838.069	381.89
LOCATION	L0001198	VOLUME	461381.900	3772838.125	381.89

LOCATION	L0001199	VOLUME	461383.899	3772838.182	381.90
LOCATION	L0001200	VOLUME	461385.899	3772838.238	381.91
LOCATION	L0001201	VOLUME	461387.898	3772838.295	381.92
LOCATION	L0001202	VOLUME	461389.897	3772838.352	381.92
LOCATION	L0001203	VOLUME	461391.896	3772838.408	381.93
LOCATION	L0001204	VOLUME	461393.895	3772838.465	381.93
LOCATION	L0001205	VOLUME	461395.895	3772838.521	381.94
LOCATION	L0001206	VOLUME	461397.894	3772838.578	381.95
LOCATION	L0001207	VOLUME	461399.893	3772838.634	381.93
LOCATION	L0001208	VOLUME	461401.892	3772838.691	381.91
LOCATION	L0001209	VOLUME	461403.891	3772838.747	381.90
LOCATION	L0001210	VOLUME	461405.891	3772838.804	381.88
LOCATION	L0001211	VOLUME	461407.890	3772838.861	381.86
LOCATION	L0001212	VOLUME	461409.889	3772838.917	381.84
LOCATION	L0001213	VOLUME	461411.888	3772838.974	381.82
LOCATION	L0001214	VOLUME	461413.887	3772839.030	381.80
LOCATION	L0001215	VOLUME	461415.887	3772839.087	381.78
LOCATION	L0001216	VOLUME	461417.886	3772839.143	381.77
LOCATION	L0001217	VOLUME	461419.885	3772839.200	381.75
LOCATION	L0001218	VOLUME	461421.884	3772839.256	381.73
LOCATION	L0001219	VOLUME	461423.883	3772839.313	381.71
LOCATION	L0001220	VOLUME	461425.883	3772839.370	381.68
LOCATION	L0001221	VOLUME	461427.882	3772839.426	381.65
LOCATION	L0001222	VOLUME	461429.881	3772839.483	381.62
LOCATION	L0001223	VOLUME	461431.880	3772839.539	381.59
LOCATION	L0001224	VOLUME	461433.879	3772839.596	381.57
LOCATION	L0001225	VOLUME	461435.879	3772839.652	381.54
LOCATION	L0001226	VOLUME	461437.878	3772839.709	381.51
LOCATION	L0001227	VOLUME	461439.877	3772839.766	381.48
LOCATION	L0001228	VOLUME	461441.876	3772839.822	381.45
LOCATION	L0001229	VOLUME	461443.875	3772839.879	381.42
LOCATION	L0001230	VOLUME	461445.875	3772839.935	381.39
LOCATION	L0001231	VOLUME	461447.874	3772839.992	381.37
LOCATION	L0001232	VOLUME	461449.873	3772840.048	381.34
LOCATION	L0001233	VOLUME	461451.872	3772840.105	381.34
LOCATION	L0001234	VOLUME	461453.871	3772840.161	381.34
LOCATION	L0001235	VOLUME	461455.871	3772840.218	381.34
LOCATION	L0001236	VOLUME	461457.870	3772840.275	381.33
LOCATION	L0001237	VOLUME	461459.869	3772840.331	381.33
LOCATION	L0001238	VOLUME	461461.868	3772840.388	381.33
LOCATION	L0001239	VOLUME	461463.867	3772840.444	381.33
LOCATION	L0001240	VOLUME	461465.867	3772840.501	381.33
LOCATION	L0001241	VOLUME	461467.866	3772840.557	381.33
LOCATION	L0001242	VOLUME	461469.865	3772840.614	381.32
LOCATION	L0001243	VOLUME	461471.864	3772840.670	381.32
LOCATION	L0001244	VOLUME	461473.863	3772840.727	381.32
LOCATION	L0001245	VOLUME	461475.863	3772840.784	381.32
LOCATION	L0001246	VOLUME	461477.862	3772840.840	381.33

LOCATION	L0001247	VOLUME	461479.861	3772840.897	381.33
LOCATION	L0001248	VOLUME	461481.860	3772840.953	381.33
LOCATION	L0001249	VOLUME	461483.859	3772841.010	381.34
LOCATION	L0001250	VOLUME	461485.859	3772841.066	381.34
LOCATION	L0001251	VOLUME	461487.858	3772841.123	381.35
LOCATION	L0001252	VOLUME	461489.857	3772841.180	381.35
LOCATION	L0001253	VOLUME	461491.856	3772841.236	381.36
LOCATION	L0001254	VOLUME	461493.855	3772841.293	381.36
LOCATION	L0001255	VOLUME	461495.855	3772841.349	381.37
LOCATION	L0001256	VOLUME	461497.854	3772841.406	381.37
LOCATION	L0001257	VOLUME	461499.853	3772841.462	381.38
LOCATION	L0001258	VOLUME	461501.852	3772841.519	381.37
LOCATION	L0001259	VOLUME	461503.851	3772841.575	381.37
LOCATION	L0001260	VOLUME	461505.851	3772841.632	381.37
LOCATION	L0001261	VOLUME	461507.850	3772841.689	381.36
LOCATION	L0001262	VOLUME	461509.849	3772841.745	381.36
LOCATION	L0001263	VOLUME	461511.848	3772841.802	381.35
LOCATION	L0001264	VOLUME	461513.847	3772841.858	381.35
LOCATION	L0001265	VOLUME	461515.847	3772841.915	381.34
LOCATION	L0001266	VOLUME	461517.846	3772841.971	381.34
LOCATION	L0001267	VOLUME	461519.845	3772842.028	381.33
LOCATION	L0001268	VOLUME	461521.844	3772842.085	381.33
LOCATION	L0001269	VOLUME	461523.843	3772842.141	381.32
LOCATION	L0001270	VOLUME	461525.843	3772842.198	381.32
LOCATION	L0001271	VOLUME	461527.842	3772842.254	381.32
LOCATION	L0001272	VOLUME	461529.841	3772842.311	381.31
LOCATION	L0001273	VOLUME	461531.840	3772842.367	381.30
LOCATION	L0001274	VOLUME	461533.839	3772842.424	381.30
LOCATION	L0001275	VOLUME	461535.839	3772842.480	381.29
LOCATION	L0001276	VOLUME	461537.838	3772842.537	381.29
LOCATION	L0001277	VOLUME	461539.837	3772842.594	381.28
LOCATION	L0001278	VOLUME	461541.836	3772842.650	381.28
LOCATION	L0001279	VOLUME	461543.835	3772842.707	381.27
LOCATION	L0001280	VOLUME	461545.835	3772842.763	381.27
LOCATION	L0001281	VOLUME	461547.834	3772842.820	381.26
LOCATION	L0001282	VOLUME	461549.833	3772842.876	381.26
LOCATION	L0001283	VOLUME	461551.832	3772842.933	381.26
LOCATION	L0001284	VOLUME	461553.831	3772842.989	381.25
LOCATION	L0001285	VOLUME	461555.831	3772843.046	381.25
LOCATION	L0001286	VOLUME	461557.830	3772843.103	381.25
LOCATION	L0001287	VOLUME	461559.829	3772843.159	381.24
LOCATION	L0001288	VOLUME	461561.828	3772843.216	381.24
LOCATION	L0001289	VOLUME	461563.827	3772843.272	381.24
LOCATION	L0001290	VOLUME	461565.827	3772843.329	381.23
LOCATION	L0001291	VOLUME	461567.826	3772843.385	381.23
LOCATION	L0001292	VOLUME	461569.825	3772843.442	381.23
LOCATION	L0001293	VOLUME	461571.824	3772843.499	381.23
LOCATION	L0001294	VOLUME	461573.823	3772843.555	381.22

LOCATION	L0001295	VOLUME	461575.823	3772843.612	381.22
LOCATION	L0001296	VOLUME	461577.822	3772843.668	381.22
LOCATION	L0001297	VOLUME	461579.821	3772843.725	381.22
LOCATION	L0001298	VOLUME	461581.820	3772843.781	381.22
LOCATION	L0001299	VOLUME	461583.819	3772843.838	381.21
LOCATION	L0001300	VOLUME	461585.819	3772843.894	381.21
LOCATION	L0001301	VOLUME	461587.818	3772843.951	381.21
LOCATION	L0001302	VOLUME	461589.817	3772844.008	381.21
LOCATION	L0001303	VOLUME	461591.816	3772844.064	381.20
LOCATION	L0001304	VOLUME	461593.815	3772844.121	381.20
LOCATION	L0001305	VOLUME	461595.815	3772844.177	381.20
LOCATION	L0001306	VOLUME	461597.814	3772844.234	381.20
LOCATION	L0001307	VOLUME	461599.813	3772844.290	381.20
LOCATION	L0001308	VOLUME	461601.812	3772844.347	381.19
LOCATION	L0001309	VOLUME	461603.811	3772844.403	381.19
LOCATION	L0001310	VOLUME	461605.811	3772844.460	381.19
LOCATION	L0001311	VOLUME	461607.810	3772844.517	381.19
LOCATION	L0001312	VOLUME	461609.809	3772844.573	381.18
LOCATION	L0001313	VOLUME	461611.808	3772844.630	381.18
LOCATION	L0001314	VOLUME	461613.807	3772844.686	381.18
LOCATION	L0001315	VOLUME	461615.807	3772844.743	381.17
LOCATION	L0001316	VOLUME	461617.806	3772844.799	381.17
LOCATION	L0001317	VOLUME	461619.805	3772844.856	381.17
LOCATION	L0001318	VOLUME	461621.804	3772844.913	381.17
LOCATION	L0001319	VOLUME	461623.803	3772844.969	381.16
LOCATION	L0001320	VOLUME	461625.803	3772845.026	381.16
LOCATION	L0001321	VOLUME	461627.802	3772845.082	381.16
LOCATION	L0001322	VOLUME	461629.801	3772845.139	381.15
LOCATION	L0001323	VOLUME	461631.800	3772845.195	381.15
LOCATION	L0001324	VOLUME	461633.799	3772845.252	381.14
LOCATION	L0001325	VOLUME	461635.799	3772845.308	381.14
LOCATION	L0001326	VOLUME	461637.798	3772845.365	381.13
LOCATION	L0001327	VOLUME	461639.797	3772845.422	381.13
LOCATION	L0001328	VOLUME	461641.796	3772845.478	381.13
LOCATION	L0001329	VOLUME	461643.795	3772845.535	381.12
LOCATION	L0001330	VOLUME	461645.795	3772845.591	381.12
LOCATION	L0001331	VOLUME	461647.794	3772845.648	381.11
LOCATION	L0001332	VOLUME	461649.793	3772845.704	381.11
LOCATION	L0001333	VOLUME	461651.792	3772845.761	381.10
LOCATION	L0001334	VOLUME	461653.791	3772845.818	381.10
LOCATION	L0001335	VOLUME	461655.791	3772845.874	381.10
LOCATION	L0001336	VOLUME	461657.790	3772845.931	381.10
LOCATION	L0001337	VOLUME	461659.789	3772845.987	381.11
LOCATION	L0001338	VOLUME	461661.788	3772846.044	381.11
LOCATION	L0001339	VOLUME	461663.787	3772846.100	381.11
LOCATION	L0001340	VOLUME	461665.787	3772846.157	381.12
LOCATION	L0001341	VOLUME	461667.786	3772846.213	381.12
LOCATION	L0001342	VOLUME	461669.785	3772846.270	381.12

LOCATION	L0001343	VOLUME	461671.784	3772846.327	381.13
LOCATION	L0001344	VOLUME	461673.783	3772846.383	381.13
LOCATION	L0001345	VOLUME	461675.783	3772846.440	381.14
LOCATION	L0001346	VOLUME	461677.782	3772846.496	381.14
LOCATION	L0001347	VOLUME	461679.781	3772846.553	381.14
LOCATION	L0001348	VOLUME	461681.780	3772846.609	381.14
LOCATION	L0001349	VOLUME	461683.779	3772846.666	381.14
LOCATION	L0001350	VOLUME	461685.779	3772846.722	381.14
LOCATION	L0001351	VOLUME	461687.778	3772846.779	381.14
LOCATION	L0001352	VOLUME	461689.777	3772846.836	381.14
LOCATION	L0001353	VOLUME	461691.776	3772846.892	381.14
LOCATION	L0001354	VOLUME	461693.775	3772846.949	381.14
LOCATION	L0001355	VOLUME	461695.775	3772847.005	381.13
LOCATION	L0001356	VOLUME	461697.774	3772847.062	381.13
LOCATION	L0001357	VOLUME	461699.773	3772847.118	381.13
LOCATION	L0001358	VOLUME	461701.772	3772847.175	381.13
LOCATION	L0001359	VOLUME	461703.771	3772847.232	381.13
LOCATION	L0001360	VOLUME	461705.771	3772847.288	381.13
LOCATION	L0001361	VOLUME	461707.770	3772847.345	381.13
LOCATION	L0001362	VOLUME	461709.769	3772847.401	381.12
LOCATION	L0001363	VOLUME	461711.768	3772847.458	381.12
LOCATION	L0001364	VOLUME	461713.767	3772847.514	381.12
LOCATION	L0001365	VOLUME	461715.767	3772847.571	381.12
LOCATION	L0001366	VOLUME	461717.766	3772847.627	381.12
LOCATION	L0001367	VOLUME	461719.765	3772847.684	381.12
LOCATION	L0001368	VOLUME	461721.764	3772847.741	381.11
LOCATION	L0001369	VOLUME	461723.763	3772847.797	381.11
LOCATION	L0001370	VOLUME	461725.763	3772847.854	381.11
LOCATION	L0001371	VOLUME	461727.762	3772847.910	381.11
LOCATION	L0001372	VOLUME	461729.761	3772847.967	381.11
LOCATION	L0001373	VOLUME	461731.760	3772848.023	381.10
LOCATION	L0001374	VOLUME	461733.759	3772848.080	381.10
LOCATION	L0001375	VOLUME	461735.759	3772848.136	381.10
LOCATION	L0001376	VOLUME	461737.758	3772848.193	381.10
LOCATION	L0001377	VOLUME	461739.757	3772848.250	381.09
LOCATION	L0001378	VOLUME	461741.756	3772848.306	381.09
LOCATION	L0001379	VOLUME	461743.755	3772848.363	381.09
LOCATION	L0001380	VOLUME	461745.755	3772848.419	381.09
LOCATION	L0001381	VOLUME	461747.754	3772848.476	381.08
LOCATION	L0001382	VOLUME	461749.753	3772848.532	381.08
LOCATION	L0001383	VOLUME	461751.752	3772848.589	381.08
LOCATION	L0001384	VOLUME	461753.751	3772848.646	381.07
LOCATION	L0001385	VOLUME	461755.751	3772848.702	381.07
LOCATION	L0001386	VOLUME	461757.750	3772848.759	381.07
LOCATION	L0001387	VOLUME	461759.749	3772848.815	381.07
LOCATION	L0001388	VOLUME	461761.748	3772848.872	381.07
LOCATION	L0001389	VOLUME	461763.747	3772848.928	381.07
LOCATION	L0001390	VOLUME	461765.747	3772848.985	381.07

LOCATION	L0001391	VOLUME	461767.746	3772849.041	381.07
LOCATION	L0001392	VOLUME	461769.745	3772849.098	381.07
LOCATION	L0001393	VOLUME	461771.744	3772849.155	381.07
LOCATION	L0001394	VOLUME	461773.743	3772849.211	381.07
LOCATION	L0001395	VOLUME	461775.743	3772849.268	381.07
LOCATION	L0001396	VOLUME	461777.742	3772849.324	381.07
LOCATION	L0001397	VOLUME	461779.741	3772849.381	381.08
LOCATION	L0001398	VOLUME	461781.740	3772849.437	381.08
LOCATION	L0001399	VOLUME	461783.739	3772849.494	381.08
LOCATION	L0001400	VOLUME	461785.739	3772849.551	381.07
LOCATION	L0001401	VOLUME	461787.738	3772849.607	381.07
LOCATION	L0001402	VOLUME	461789.737	3772849.664	381.07
LOCATION	L0001403	VOLUME	461791.736	3772849.720	381.07
LOCATION	L0001404	VOLUME	461793.735	3772849.777	381.07
LOCATION	L0001405	VOLUME	461795.735	3772849.833	381.07
LOCATION	L0001406	VOLUME	461797.734	3772849.890	381.07
LOCATION	L0001407	VOLUME	461799.733	3772849.946	381.06
LOCATION	L0001408	VOLUME	461801.732	3772850.003	381.06
LOCATION	L0001409	VOLUME	461803.731	3772850.060	381.06
LOCATION	L0001410	VOLUME	461805.731	3772850.116	381.06
LOCATION	L0001411	VOLUME	461807.730	3772850.173	381.06
LOCATION	L0001412	VOLUME	461809.729	3772850.229	381.06
LOCATION	L0001413	VOLUME	461811.728	3772850.286	381.06
LOCATION	L0001414	VOLUME	461813.727	3772850.342	381.06
LOCATION	L0001415	VOLUME	461815.727	3772850.399	381.06
LOCATION	L0001416	VOLUME	461817.726	3772850.455	381.06
LOCATION	L0001417	VOLUME	461819.725	3772850.512	381.07
LOCATION	L0001418	VOLUME	461821.724	3772850.569	381.07
LOCATION	L0001419	VOLUME	461823.723	3772850.625	381.07
LOCATION	L0001420	VOLUME	461825.723	3772850.682	381.07
LOCATION	L0001421	VOLUME	461827.722	3772850.738	381.07
LOCATION	L0001422	VOLUME	461829.721	3772850.795	381.07
LOCATION	L0001423	VOLUME	461831.720	3772850.851	381.07
LOCATION	L0001424	VOLUME	461833.719	3772850.908	381.08
LOCATION	L0001425	VOLUME	461835.719	3772850.965	381.08
LOCATION	L0001426	VOLUME	461837.718	3772851.021	381.08
LOCATION	L0001427	VOLUME	461839.717	3772851.078	381.08
LOCATION	L0001428	VOLUME	461841.716	3772851.134	381.08
LOCATION	L0001429	VOLUME	461843.715	3772851.191	381.09
LOCATION	L0001430	VOLUME	461845.715	3772851.247	381.09
LOCATION	L0001431	VOLUME	461847.714	3772851.304	381.09
LOCATION	L0001432	VOLUME	461849.713	3772851.360	381.09
LOCATION	L0001433	VOLUME	461851.712	3772851.417	381.09
LOCATION	L0001434	VOLUME	461853.711	3772851.474	381.10
LOCATION	L0001435	VOLUME	461855.711	3772851.530	381.10
LOCATION	L0001436	VOLUME	461857.710	3772851.587	381.10
LOCATION	L0001437	VOLUME	461859.709	3772851.643	381.10
LOCATION	L0001438	VOLUME	461861.708	3772851.700	381.11

LOCATION	L0001439	VOLUME	461863.707	3772851.756	381.11
LOCATION	L0001440	VOLUME	461865.707	3772851.813	381.12
LOCATION	L0001441	VOLUME	461867.706	3772851.870	381.13
LOCATION	L0001442	VOLUME	461869.705	3772851.926	381.13
LOCATION	L0001443	VOLUME	461871.704	3772851.983	381.14
LOCATION	L0001444	VOLUME	461873.703	3772852.039	381.15
LOCATION	L0001445	VOLUME	461875.703	3772852.096	381.15
LOCATION	L0001446	VOLUME	461877.702	3772852.152	381.16
LOCATION	L0001447	VOLUME	461879.701	3772852.209	381.17
LOCATION	L0001448	VOLUME	461881.700	3772852.265	381.17
LOCATION	L0001449	VOLUME	461883.699	3772852.322	381.18
LOCATION	L0001450	VOLUME	461885.699	3772852.379	381.19
LOCATION	L0001451	VOLUME	461887.698	3772852.435	381.19
LOCATION	L0001452	VOLUME	461889.697	3772852.492	381.19
LOCATION	L0001453	VOLUME	461891.696	3772852.548	381.19
LOCATION	L0001454	VOLUME	461893.695	3772852.605	381.19
LOCATION	L0001455	VOLUME	461895.695	3772852.661	381.19
LOCATION	L0001456	VOLUME	461897.694	3772852.718	381.19
LOCATION	L0001457	VOLUME	461899.693	3772852.774	381.20
LOCATION	L0001458	VOLUME	461901.692	3772852.831	381.20
LOCATION	L0001459	VOLUME	461903.691	3772852.888	381.20
LOCATION	L0001460	VOLUME	461905.691	3772852.944	381.20
LOCATION	L0001461	VOLUME	461907.690	3772853.001	381.20
LOCATION	L0001462	VOLUME	461909.689	3772853.057	381.20
LOCATION	L0001463	VOLUME	461911.688	3772853.114	381.20
LOCATION	L0001464	VOLUME	461913.687	3772853.170	381.20
LOCATION	L0001465	VOLUME	461915.687	3772853.227	381.20
LOCATION	L0001466	VOLUME	461917.686	3772853.284	381.20
LOCATION	L0001467	VOLUME	461919.685	3772853.340	381.20
LOCATION	L0001468	VOLUME	461921.684	3772853.397	381.20
LOCATION	L0001469	VOLUME	461923.683	3772853.453	381.20
LOCATION	L0001470	VOLUME	461925.683	3772853.510	381.20
LOCATION	L0001471	VOLUME	461927.682	3772853.566	381.20
LOCATION	L0001472	VOLUME	461929.681	3772853.623	381.20
LOCATION	L0001473	VOLUME	461931.680	3772853.679	381.20
LOCATION	L0001474	VOLUME	461933.679	3772853.736	381.20
LOCATION	L0001475	VOLUME	461935.679	3772853.793	381.20
LOCATION	L0001476	VOLUME	461937.678	3772853.849	381.20
LOCATION	L0001477	VOLUME	461939.677	3772853.906	381.20
LOCATION	L0001478	VOLUME	461941.676	3772853.962	381.20
LOCATION	L0001479	VOLUME	461943.675	3772854.019	381.20
LOCATION	L0001480	VOLUME	461945.675	3772854.075	381.21
LOCATION	L0001481	VOLUME	461947.674	3772854.132	381.21
LOCATION	L0001482	VOLUME	461949.673	3772854.188	381.21
LOCATION	L0001483	VOLUME	461951.672	3772854.245	381.21
LOCATION	L0001484	VOLUME	461953.671	3772854.302	381.21
LOCATION	L0001485	VOLUME	461955.671	3772854.358	381.22
LOCATION	L0001486	VOLUME	461957.670	3772854.415	381.22

LOCATION	L0001487	VOLUME	461959.669	3772854.471	381.22
LOCATION	L0001488	VOLUME	461961.668	3772854.528	381.22
LOCATION	L0001489	VOLUME	461963.667	3772854.584	381.22
LOCATION	L0001490	VOLUME	461965.667	3772854.641	381.21
LOCATION	L0001491	VOLUME	461967.666	3772854.698	381.20
LOCATION	L0001492	VOLUME	461969.665	3772854.754	381.20
LOCATION	L0001493	VOLUME	461971.664	3772854.811	381.19
LOCATION	L0001494	VOLUME	461973.663	3772854.867	381.18
LOCATION	L0001495	VOLUME	461975.663	3772854.924	381.17
LOCATION	L0001496	VOLUME	461977.662	3772854.980	381.17
LOCATION	L0001497	VOLUME	461979.661	3772855.037	381.16
LOCATION	L0001498	VOLUME	461981.660	3772855.093	381.15
LOCATION	L0001499	VOLUME	461983.659	3772855.150	381.14
LOCATION	L0001500	VOLUME	461985.659	3772855.207	381.13
LOCATION	L0001501	VOLUME	461987.658	3772855.263	381.13
LOCATION	L0001502	VOLUME	461989.657	3772855.320	381.10
LOCATION	L0001503	VOLUME	461991.656	3772855.376	381.08
LOCATION	L0001504	VOLUME	461993.655	3772855.433	381.06
LOCATION	L0001505	VOLUME	461995.655	3772855.489	381.04
LOCATION	L0001506	VOLUME	461997.654	3772855.546	381.02
LOCATION	L0001507	VOLUME	461999.653	3772855.603	381.00
LOCATION	L0001508	VOLUME	462001.652	3772855.659	380.97
LOCATION	L0001509	VOLUME	462003.651	3772855.716	380.95
LOCATION	L0001510	VOLUME	462005.651	3772855.772	380.93
LOCATION	L0001511	VOLUME	462007.650	3772855.829	380.91
LOCATION	L0001512	VOLUME	462009.649	3772855.885	380.88
LOCATION	L0001513	VOLUME	462011.648	3772855.942	380.86
LOCATION	L0001514	VOLUME	462013.647	3772855.998	380.84
LOCATION	L0001515	VOLUME	462015.647	3772856.055	380.82
LOCATION	L0001516	VOLUME	462017.646	3772856.112	380.80
LOCATION	L0001517	VOLUME	462019.645	3772856.168	380.78
LOCATION	L0001518	VOLUME	462021.644	3772856.225	380.76
LOCATION	L0001519	VOLUME	462023.643	3772856.281	380.74
LOCATION	L0001520	VOLUME	462025.643	3772856.338	380.72
LOCATION	L0001521	VOLUME	462027.642	3772856.394	380.70
LOCATION	L0001522	VOLUME	462029.641	3772856.451	380.68
LOCATION	L0001523	VOLUME	462031.640	3772856.507	380.65
LOCATION	L0001524	VOLUME	462033.639	3772856.564	380.63
LOCATION	L0001525	VOLUME	462035.639	3772856.621	380.61
LOCATION	L0001526	VOLUME	462037.638	3772856.677	380.59
LOCATION	L0001527	VOLUME	462039.637	3772856.734	380.57
LOCATION	L0001528	VOLUME	462041.636	3772856.790	380.57
LOCATION	L0001529	VOLUME	462043.635	3772856.847	380.56
LOCATION	L0001530	VOLUME	462045.635	3772856.903	380.55
LOCATION	L0001531	VOLUME	462047.634	3772856.960	380.54
LOCATION	L0001532	VOLUME	462049.633	3772857.017	380.53
LOCATION	L0001533	VOLUME	462051.632	3772857.073	380.52
LOCATION	L0001534	VOLUME	462053.631	3772857.130	380.51

LOCATION	L0001535	VOLUME	462055.631	3772857.186	380.50
LOCATION	L0001536	VOLUME	462057.630	3772857.243	380.49
LOCATION	L0001537	VOLUME	462059.629	3772857.299	380.48
LOCATION	L0001538	VOLUME	462061.628	3772857.356	380.47
LOCATION	L0001539	VOLUME	462063.627	3772857.412	380.47
LOCATION	L0001540	VOLUME	462065.627	3772857.469	380.46
LOCATION	L0001541	VOLUME	462067.626	3772857.526	380.46
LOCATION	L0001542	VOLUME	462069.625	3772857.582	380.45
LOCATION	L0001543	VOLUME	462071.624	3772857.639	380.45
LOCATION	L0001544	VOLUME	462073.623	3772857.695	380.45
LOCATION	L0001545	VOLUME	462075.623	3772857.752	380.44
LOCATION	L0001546	VOLUME	462077.622	3772857.808	380.44
LOCATION	L0001547	VOLUME	462079.621	3772857.865	380.44
LOCATION	L0001548	VOLUME	462081.620	3772857.921	380.43
LOCATION	L0001549	VOLUME	462083.620	3772857.978	380.43
LOCATION	L0001550	VOLUME	462085.619	3772858.035	380.43
LOCATION	L0001551	VOLUME	462087.618	3772858.091	380.42
LOCATION	L0001552	VOLUME	462089.617	3772858.148	380.42
LOCATION	L0001553	VOLUME	462091.616	3772858.204	380.42
LOCATION	L0001554	VOLUME	462093.616	3772858.261	380.42
LOCATION	L0001555	VOLUME	462095.615	3772858.317	380.41
LOCATION	L0001556	VOLUME	462097.614	3772858.374	380.41
LOCATION	L0001557	VOLUME	462099.613	3772858.431	380.41
LOCATION	L0001558	VOLUME	462101.612	3772858.487	380.41
LOCATION	L0001559	VOLUME	462103.612	3772858.544	380.41
LOCATION	L0001560	VOLUME	462105.611	3772858.600	380.41
LOCATION	L0001561	VOLUME	462107.610	3772858.657	380.40
LOCATION	L0001562	VOLUME	462109.609	3772858.713	380.40
LOCATION	L0001563	VOLUME	462111.608	3772858.770	380.40
LOCATION	L0001564	VOLUME	462113.608	3772858.826	380.40
LOCATION	L0001565	VOLUME	462115.607	3772858.883	380.40
LOCATION	L0001566	VOLUME	462117.606	3772858.940	380.40
LOCATION	L0001567	VOLUME	462119.605	3772858.996	380.40
LOCATION	L0001568	VOLUME	462121.604	3772859.053	380.41
LOCATION	L0001569	VOLUME	462123.604	3772859.109	380.41
LOCATION	L0001570	VOLUME	462125.603	3772859.166	380.42
LOCATION	L0001571	VOLUME	462127.602	3772859.222	380.42
LOCATION	L0001572	VOLUME	462129.601	3772859.279	380.42
LOCATION	L0001573	VOLUME	462131.600	3772859.336	380.43
LOCATION	L0001574	VOLUME	462133.600	3772859.392	380.43
LOCATION	L0001575	VOLUME	462135.599	3772859.449	380.43
LOCATION	L0001576	VOLUME	462137.598	3772859.505	380.44
LOCATION	L0001577	VOLUME	462139.597	3772859.562	380.44
LOCATION	L0001578	VOLUME	462141.596	3772859.618	380.45
LOCATION	L0001579	VOLUME	462143.596	3772859.675	380.46
LOCATION	L0001580	VOLUME	462145.595	3772859.731	380.47
LOCATION	L0001581	VOLUME	462147.594	3772859.788	380.48
LOCATION	L0001582	VOLUME	462149.593	3772859.845	380.49

LOCATION	L0001583	VOLUME	462151.592	3772859.901	380.50
LOCATION	L0001584	VOLUME	462153.592	3772859.958	380.52
LOCATION	L0001585	VOLUME	462155.591	3772860.014	380.53
LOCATION	L0001586	VOLUME	462157.590	3772860.071	380.54
LOCATION	L0001587	VOLUME	462159.589	3772860.127	380.55
LOCATION	L0001588	VOLUME	462161.588	3772860.184	380.56
LOCATION	L0001589	VOLUME	462163.588	3772860.240	380.57
LOCATION	L0001590	VOLUME	462165.587	3772860.297	380.59
LOCATION	L0001591	VOLUME	462167.586	3772860.354	380.60
LOCATION	L0001592	VOLUME	462169.585	3772860.410	380.61
LOCATION	L0001593	VOLUME	462171.584	3772860.467	380.63
LOCATION	L0001594	VOLUME	462173.584	3772860.523	380.64
LOCATION	L0001595	VOLUME	462175.583	3772860.580	380.65
LOCATION	L0001596	VOLUME	462177.582	3772860.636	380.67
LOCATION	L0001597	VOLUME	462179.581	3772860.693	380.68
LOCATION	L0001598	VOLUME	462181.580	3772860.750	380.70
LOCATION	L0001599	VOLUME	462183.580	3772860.806	380.71
LOCATION	L0001600	VOLUME	462185.579	3772860.863	380.72
LOCATION	L0001601	VOLUME	462187.578	3772860.919	380.74
LOCATION	L0001602	VOLUME	462189.577	3772860.976	380.75
LOCATION	L0001603	VOLUME	462191.576	3772861.032	380.76
LOCATION	L0001604	VOLUME	462193.576	3772861.089	380.77
LOCATION	L0001605	VOLUME	462195.575	3772861.145	380.77
LOCATION	L0001606	VOLUME	462197.574	3772861.202	380.77
LOCATION	L0001607	VOLUME	462199.573	3772861.259	380.77
LOCATION	L0001608	VOLUME	462201.572	3772861.315	380.77
LOCATION	L0001609	VOLUME	462203.572	3772861.372	380.77
LOCATION	L0001610	VOLUME	462205.571	3772861.428	380.77
LOCATION	L0001611	VOLUME	462207.570	3772861.485	380.77
LOCATION	L0001612	VOLUME	462209.569	3772861.541	380.77
LOCATION	L0001613	VOLUME	462211.568	3772861.598	380.77
LOCATION	L0001614	VOLUME	462213.568	3772861.654	380.77
LOCATION	L0001615	VOLUME	462215.567	3772861.711	380.77
LOCATION	L0001616	VOLUME	462217.566	3772861.768	380.77
LOCATION	L0001617	VOLUME	462219.565	3772861.824	380.76
LOCATION	L0001618	VOLUME	462221.564	3772861.881	380.74
LOCATION	L0001619	VOLUME	462223.564	3772861.937	380.73
LOCATION	L0001620	VOLUME	462225.563	3772861.994	380.72
LOCATION	L0001621	VOLUME	462227.562	3772862.050	380.71
LOCATION	L0001622	VOLUME	462229.561	3772862.107	380.69
LOCATION	L0001623	VOLUME	462231.560	3772862.164	380.68
LOCATION	L0001624	VOLUME	462233.560	3772862.220	380.67
LOCATION	L0001625	VOLUME	462235.559	3772862.277	380.65
LOCATION	L0001626	VOLUME	462237.558	3772862.333	380.64
LOCATION	L0001627	VOLUME	462239.557	3772862.390	380.63
LOCATION	L0001628	VOLUME	462241.556	3772862.446	380.61
LOCATION	L0001629	VOLUME	462243.556	3772862.503	380.60
LOCATION	L0001630	VOLUME	462245.555	3772862.559	380.60

LOCATION	L0001631	VOLUME	462247.554	3772862.616	380.59
LOCATION	L0001632	VOLUME	462249.553	3772862.673	380.59
LOCATION	L0001633	VOLUME	462251.552	3772862.729	380.58
LOCATION	L0001634	VOLUME	462253.552	3772862.786	380.58
LOCATION	L0001635	VOLUME	462255.551	3772862.842	380.58
LOCATION	L0001636	VOLUME	462257.550	3772862.899	380.57
LOCATION	L0001637	VOLUME	462259.549	3772862.955	380.57
LOCATION	L0001638	VOLUME	462261.548	3772863.012	380.57
LOCATION	L0001639	VOLUME	462263.548	3772863.069	380.56
LOCATION	L0001640	VOLUME	462265.547	3772863.125	380.56
LOCATION	L0001641	VOLUME	462267.546	3772863.182	380.55
LOCATION	L0001642	VOLUME	462269.545	3772863.238	380.55
LOCATION	L0001643	VOLUME	462271.544	3772863.295	380.55
LOCATION	L0001644	VOLUME	462273.544	3772863.351	380.55
LOCATION	L0001645	VOLUME	462275.543	3772863.408	380.54
LOCATION	L0001646	VOLUME	462277.542	3772863.464	380.54
LOCATION	L0001647	VOLUME	462279.541	3772863.521	380.54
LOCATION	L0001648	VOLUME	462281.540	3772863.578	380.54
LOCATION	L0001649	VOLUME	462283.540	3772863.634	380.54
LOCATION	L0001650	VOLUME	462285.539	3772863.691	380.53
LOCATION	L0001651	VOLUME	462287.538	3772863.747	380.53
LOCATION	L0001652	VOLUME	462289.537	3772863.804	380.53
LOCATION	L0001653	VOLUME	462291.536	3772863.860	380.53
LOCATION	L0001654	VOLUME	462293.536	3772863.917	380.53
LOCATION	L0001655	VOLUME	462295.535	3772863.973	380.52
LOCATION	L0001656	VOLUME	462297.534	3772864.030	380.52
LOCATION	L0001657	VOLUME	462299.533	3772864.087	380.51
LOCATION	L0001658	VOLUME	462301.532	3772864.143	380.50
LOCATION	L0001659	VOLUME	462303.532	3772864.200	380.50
LOCATION	L0001660	VOLUME	462305.531	3772864.256	380.49
LOCATION	L0001661	VOLUME	462307.530	3772864.313	380.48
LOCATION	L0001662	VOLUME	462309.529	3772864.369	380.48
LOCATION	L0001663	VOLUME	462311.528	3772864.426	380.47
LOCATION	L0001664	VOLUME	462313.528	3772864.483	380.46
LOCATION	L0001665	VOLUME	462315.527	3772864.539	380.46
LOCATION	L0001666	VOLUME	462317.526	3772864.596	380.45
LOCATION	L0001667	VOLUME	462319.525	3772864.652	380.44
LOCATION	L0001668	VOLUME	462321.524	3772864.709	380.44
LOCATION	L0001669	VOLUME	462323.524	3772864.765	380.43
LOCATION	L0001670	VOLUME	462325.523	3772864.822	380.43
LOCATION	L0001671	VOLUME	462327.522	3772864.878	380.43
LOCATION	L0001672	VOLUME	462329.521	3772864.935	380.42
LOCATION	L0001673	VOLUME	462331.520	3772864.992	380.42
LOCATION	L0001674	VOLUME	462333.520	3772865.048	380.42
LOCATION	L0001675	VOLUME	462335.519	3772865.105	380.41
LOCATION	L0001676	VOLUME	462337.518	3772865.161	380.41
LOCATION	L0001677	VOLUME	462339.517	3772865.218	380.40
LOCATION	L0001678	VOLUME	462341.516	3772865.274	380.40

LOCATION	L0001679	VOLUME	462343.516	3772865.331	380.40
LOCATION	L0001680	VOLUME	462345.515	3772865.387	380.39
LOCATION	L0001681	VOLUME	462347.514	3772865.444	380.39
LOCATION	L0001682	VOLUME	462349.513	3772865.501	380.39
LOCATION	L0001683	VOLUME	462351.512	3772865.557	380.39
LOCATION	L0001684	VOLUME	462353.512	3772865.614	380.38
LOCATION	L0001685	VOLUME	462355.511	3772865.670	380.38
LOCATION	L0001686	VOLUME	462357.510	3772865.727	380.38
LOCATION	L0001687	VOLUME	462359.509	3772865.783	380.38
LOCATION	L0001688	VOLUME	462361.508	3772865.840	380.38
LOCATION	L0001689	VOLUME	462363.508	3772865.897	380.38
LOCATION	L0001690	VOLUME	462365.507	3772865.953	380.37
LOCATION	L0001691	VOLUME	462367.506	3772866.010	380.37
LOCATION	L0001692	VOLUME	462369.505	3772866.066	380.37
LOCATION	L0001693	VOLUME	462371.504	3772866.123	380.37
LOCATION	L0001694	VOLUME	462373.504	3772866.179	380.36
LOCATION	L0001695	VOLUME	462375.503	3772866.236	380.36
LOCATION	L0001696	VOLUME	462377.502	3772866.292	380.35
LOCATION	L0001697	VOLUME	462379.501	3772866.349	380.35
LOCATION	L0001698	VOLUME	462381.500	3772866.406	380.34
LOCATION	L0001699	VOLUME	462383.500	3772866.462	380.34
LOCATION	L0001700	VOLUME	462385.499	3772866.519	380.33
LOCATION	L0001701	VOLUME	462387.498	3772866.575	380.32
LOCATION	L0001702	VOLUME	462389.497	3772866.632	380.32
LOCATION	L0001703	VOLUME	462391.496	3772866.688	380.31
LOCATION	L0001704	VOLUME	462393.496	3772866.745	380.31
LOCATION	L0001705	VOLUME	462395.495	3772866.802	380.30
LOCATION	L0001706	VOLUME	462397.494	3772866.858	380.29
LOCATION	L0001707	VOLUME	462399.493	3772866.915	380.29
LOCATION	L0001708	VOLUME	462401.492	3772866.971	380.28
LOCATION	L0001709	VOLUME	462403.492	3772867.028	380.28
LOCATION	L0001710	VOLUME	462405.491	3772867.084	380.27
LOCATION	L0001711	VOLUME	462407.490	3772867.141	380.27
LOCATION	L0001712	VOLUME	462409.489	3772867.197	380.26
LOCATION	L0001713	VOLUME	462411.488	3772867.254	380.26
LOCATION	L0001714	VOLUME	462413.488	3772867.311	380.25
LOCATION	L0001715	VOLUME	462415.487	3772867.367	380.25
LOCATION	L0001716	VOLUME	462417.486	3772867.424	380.24
LOCATION	L0001717	VOLUME	462419.485	3772867.480	380.24
LOCATION	L0001718	VOLUME	462421.484	3772867.537	380.23
LOCATION	L0001719	VOLUME	462423.484	3772867.593	380.23
LOCATION	L0001720	VOLUME	462425.483	3772867.650	380.22
LOCATION	L0001721	VOLUME	462427.482	3772867.706	380.22
LOCATION	L0001722	VOLUME	462429.481	3772867.763	380.21
LOCATION	L0001723	VOLUME	462431.480	3772867.820	380.20
LOCATION	L0001724	VOLUME	462433.480	3772867.876	380.20
LOCATION	L0001725	VOLUME	462435.479	3772867.933	380.19
LOCATION	L0001726	VOLUME	462437.478	3772867.989	380.19

LOCATION	L0001727	VOLUME	462439.477	3772868.046	380.18
LOCATION	L0001728	VOLUME	462441.476	3772868.102	380.18
LOCATION	L0001729	VOLUME	462443.476	3772868.159	380.17
LOCATION	L0001730	VOLUME	462445.475	3772868.216	380.16
LOCATION	L0001731	VOLUME	462447.474	3772868.272	380.16
LOCATION	L0001732	VOLUME	462449.473	3772868.329	380.15
LOCATION	L0001733	VOLUME	462451.472	3772868.385	380.14
LOCATION	L0001734	VOLUME	462453.472	3772868.442	380.13
LOCATION	L0001735	VOLUME	462455.471	3772868.498	380.12
LOCATION	L0001736	VOLUME	462457.470	3772868.555	380.11
LOCATION	L0001737	VOLUME	462459.469	3772868.611	380.10
LOCATION	L0001738	VOLUME	462461.468	3772868.668	380.10
LOCATION	L0001739	VOLUME	462463.468	3772868.725	380.09
LOCATION	L0001740	VOLUME	462465.467	3772868.781	380.08
LOCATION	L0001741	VOLUME	462467.466	3772868.838	380.07
LOCATION	L0001742	VOLUME	462469.465	3772868.894	380.06
LOCATION	L0001743	VOLUME	462471.464	3772868.951	380.05
LOCATION	L0001744	VOLUME	462473.464	3772869.007	380.04
LOCATION	L0001745	VOLUME	462475.463	3772869.064	380.03
LOCATION	L0001746	VOLUME	462477.462	3772869.121	380.03
LOCATION	L0001747	VOLUME	462479.461	3772869.177	380.03
LOCATION	L0001748	VOLUME	462481.460	3772869.234	380.02
LOCATION	L0001749	VOLUME	462483.460	3772869.290	380.02
LOCATION	L0001750	VOLUME	462485.459	3772869.347	380.02
LOCATION	L0001751	VOLUME	462487.458	3772869.403	380.02
LOCATION	L0001752	VOLUME	462489.457	3772869.460	380.01
LOCATION	L0001753	VOLUME	462491.456	3772869.516	380.01
LOCATION	L0001754	VOLUME	462493.456	3772869.573	380.01
LOCATION	L0001755	VOLUME	462495.455	3772869.630	380.01
LOCATION	L0001756	VOLUME	462497.454	3772869.686	380.00
LOCATION	L0001757	VOLUME	462499.453	3772869.743	380.00
LOCATION	L0001758	VOLUME	462501.452	3772869.799	380.00
LOCATION	L0001759	VOLUME	462503.452	3772869.856	379.99
LOCATION	L0001760	VOLUME	462505.451	3772869.912	379.99
LOCATION	L0001761	VOLUME	462507.450	3772869.969	379.98
LOCATION	L0001762	VOLUME	462509.449	3772870.025	379.98
LOCATION	L0001763	VOLUME	462511.448	3772870.082	379.97
LOCATION	L0001764	VOLUME	462513.448	3772870.139	379.97
LOCATION	L0001765	VOLUME	462515.447	3772870.195	379.96
LOCATION	L0001766	VOLUME	462517.446	3772870.252	379.96
LOCATION	L0001767	VOLUME	462519.445	3772870.308	379.95
LOCATION	L0001768	VOLUME	462521.444	3772870.365	379.95
LOCATION	L0001769	VOLUME	462523.444	3772870.421	379.94
LOCATION	L0001770	VOLUME	462525.443	3772870.478	379.94
LOCATION	L0001771	VOLUME	462527.442	3772870.535	379.93
LOCATION	L0001772	VOLUME	462529.441	3772870.591	379.91
LOCATION	L0001773	VOLUME	462531.440	3772870.648	379.90
LOCATION	L0001774	VOLUME	462533.440	3772870.704	379.89

LOCATION	L0001775	VOLUME	462535.439	3772870.761	379.87
LOCATION	L0001776	VOLUME	462537.438	3772870.817	379.86
LOCATION	L0001777	VOLUME	462539.437	3772870.874	379.85
LOCATION	L0001778	VOLUME	462541.436	3772870.930	379.83
LOCATION	L0001779	VOLUME	462543.436	3772870.987	379.82
LOCATION	L0001780	VOLUME	462545.435	3772871.044	379.81
LOCATION	L0001781	VOLUME	462547.434	3772871.100	379.79
LOCATION	L0001782	VOLUME	462549.433	3772871.157	379.78
LOCATION	L0001783	VOLUME	462551.432	3772871.213	379.77
LOCATION	L0001784	VOLUME	462553.432	3772871.270	379.76
LOCATION	L0001785	VOLUME	462555.431	3772871.326	379.74
LOCATION	L0001786	VOLUME	462557.430	3772871.383	379.73
LOCATION	L0001787	VOLUME	462559.429	3772871.439	379.72
LOCATION	L0001788	VOLUME	462561.428	3772871.496	379.71
LOCATION	L0001789	VOLUME	462563.428	3772871.553	379.69
LOCATION	L0001790	VOLUME	462565.427	3772871.609	379.68
LOCATION	L0001791	VOLUME	462567.426	3772871.666	379.67
LOCATION	L0001792	VOLUME	462569.425	3772871.722	379.66
LOCATION	L0001793	VOLUME	462571.424	3772871.779	379.65
LOCATION	L0001794	VOLUME	462573.424	3772871.835	379.64
LOCATION	L0001795	VOLUME	462575.423	3772871.892	379.62
LOCATION	L0001796	VOLUME	462577.422	3772871.949	379.61
LOCATION	L0001797	VOLUME	462579.421	3772872.005	379.60
LOCATION	L0001798	VOLUME	462581.420	3772872.062	379.59
LOCATION	L0001799	VOLUME	462583.420	3772872.118	379.58
LOCATION	L0001800	VOLUME	462585.419	3772872.175	379.57
LOCATION	L0001801	VOLUME	462587.418	3772872.231	379.55
LOCATION	L0001802	VOLUME	462589.417	3772872.288	379.54
LOCATION	L0001803	VOLUME	462591.416	3772872.344	379.53
LOCATION	L0001804	VOLUME	462593.416	3772872.401	379.52
LOCATION	L0001805	VOLUME	462595.415	3772872.458	379.51
LOCATION	L0001806	VOLUME	462597.414	3772872.514	379.49
LOCATION	L0001807	VOLUME	462599.413	3772872.571	379.48
LOCATION	L0001808	VOLUME	462601.412	3772872.627	379.47
LOCATION	L0001809	VOLUME	462603.412	3772872.684	379.46
LOCATION	L0001810	VOLUME	462605.411	3772872.740	379.45
LOCATION	L0001811	VOLUME	462607.410	3772872.797	379.43
LOCATION	L0001812	VOLUME	462609.409	3772872.854	379.42
LOCATION	L0001813	VOLUME	462611.408	3772872.910	379.41
LOCATION	L0001814	VOLUME	462613.408	3772872.967	379.40
LOCATION	L0001815	VOLUME	462615.407	3772873.023	379.38
LOCATION	L0001816	VOLUME	462617.406	3772873.080	379.37
LOCATION	L0001817	VOLUME	462619.405	3772873.136	379.36
LOCATION	L0001818	VOLUME	462621.404	3772873.193	379.35
LOCATION	L0001819	VOLUME	462623.404	3772873.249	379.33
LOCATION	L0001820	VOLUME	462625.403	3772873.306	379.32
LOCATION	L0001821	VOLUME	462627.402	3772873.363	379.31
LOCATION	L0001822	VOLUME	462629.401	3772873.419	379.30

LOCATION	L0001823	VOLUME	462631.400	3772873.476	379.30
LOCATION	L0001824	VOLUME	462633.400	3772873.532	379.29
LOCATION	L0001825	VOLUME	462635.399	3772873.589	379.29
LOCATION	L0001826	VOLUME	462637.398	3772873.645	379.28
LOCATION	L0001827	VOLUME	462639.397	3772873.702	379.28
LOCATION	L0001828	VOLUME	462641.396	3772873.758	379.28
LOCATION	L0001829	VOLUME	462643.396	3772873.815	379.27
LOCATION	L0001830	VOLUME	462645.395	3772873.872	379.27
LOCATION	L0001831	VOLUME	462647.394	3772873.928	379.27
LOCATION	L0001832	VOLUME	462649.393	3772873.985	379.26
LOCATION	L0001833	VOLUME	462651.392	3772874.041	379.26
LOCATION	L0001834	VOLUME	462653.392	3772874.098	379.26
LOCATION	L0001835	VOLUME	462655.391	3772874.154	379.25
LOCATION	L0001836	VOLUME	462657.390	3772874.211	379.25
LOCATION	L0001837	VOLUME	462659.389	3772874.268	379.24
LOCATION	L0001838	VOLUME	462661.388	3772874.324	379.24
LOCATION	L0001839	VOLUME	462663.388	3772874.381	379.24
LOCATION	L0001840	VOLUME	462665.387	3772874.437	379.23
LOCATION	L0001841	VOLUME	462667.386	3772874.494	379.23
LOCATION	L0001842	VOLUME	462669.385	3772874.550	379.22
LOCATION	L0001843	VOLUME	462671.384	3772874.607	379.22
LOCATION	L0001844	VOLUME	462673.384	3772874.663	379.22
LOCATION	L0001845	VOLUME	462675.383	3772874.720	379.21
LOCATION	L0001846	VOLUME	462677.382	3772874.777	379.21
LOCATION	L0001847	VOLUME	462679.381	3772874.833	379.20
LOCATION	L0001848	VOLUME	462681.380	3772874.890	379.20
LOCATION	L0001849	VOLUME	462683.380	3772874.946	379.19
LOCATION	L0001850	VOLUME	462685.379	3772875.003	379.18
LOCATION	L0001851	VOLUME	462687.378	3772875.059	379.18
LOCATION	L0001852	VOLUME	462689.377	3772875.116	379.17
LOCATION	L0001853	VOLUME	462691.376	3772875.172	379.16
LOCATION	L0001854	VOLUME	462693.376	3772875.229	379.16
LOCATION	L0001855	VOLUME	462695.375	3772875.286	379.15
LOCATION	L0001856	VOLUME	462697.374	3772875.342	379.15
LOCATION	L0001857	VOLUME	462699.373	3772875.399	379.14
LOCATION	L0001858	VOLUME	462701.372	3772875.455	379.13
LOCATION	L0001859	VOLUME	462703.372	3772875.512	379.13
LOCATION	L0001860	VOLUME	462705.371	3772875.568	379.12
LOCATION	L0001861	VOLUME	462707.370	3772875.625	379.11
LOCATION	L0001862	VOLUME	462709.369	3772875.682	379.11
LOCATION	L0001863	VOLUME	462711.368	3772875.738	379.10
LOCATION	L0001864	VOLUME	462713.368	3772875.795	379.10
LOCATION	L0001865	VOLUME	462715.367	3772875.851	379.09
LOCATION	L0001866	VOLUME	462717.366	3772875.908	379.08
LOCATION	L0001867	VOLUME	462719.365	3772875.964	379.08
LOCATION	L0001868	VOLUME	462721.364	3772876.021	379.07
LOCATION	L0001869	VOLUME	462723.364	3772876.077	379.07
LOCATION	L0001870	VOLUME	462725.363	3772876.134	379.06

LOCATION	L0001871	VOLUME	462727.362	3772876.191	379.05
LOCATION	L0001872	VOLUME	462729.361	3772876.247	379.05
LOCATION	L0001873	VOLUME	462731.360	3772876.304	379.04
LOCATION	L0001874	VOLUME	462733.360	3772876.360	379.04
LOCATION	L0001875	VOLUME	462735.359	3772876.417	379.04
LOCATION	L0001876	VOLUME	462737.358	3772876.473	379.03
LOCATION	L0001877	VOLUME	462739.357	3772876.530	379.03
LOCATION	L0001878	VOLUME	462741.356	3772876.587	379.03
LOCATION	L0001879	VOLUME	462743.356	3772876.643	379.02
LOCATION	L0001880	VOLUME	462745.355	3772876.700	379.02
LOCATION	L0001881	VOLUME	462747.354	3772876.756	379.02
LOCATION	L0001882	VOLUME	462749.353	3772876.813	379.01
LOCATION	L0001883	VOLUME	462751.352	3772876.869	379.01
LOCATION	L0001884	VOLUME	462753.352	3772876.926	379.01
LOCATION	L0001885	VOLUME	462755.351	3772876.982	379.00
LOCATION	L0001886	VOLUME	462757.350	3772877.039	379.00
LOCATION	L0001887	VOLUME	462759.349	3772877.096	379.00
LOCATION	L0001888	VOLUME	462761.348	3772877.152	378.99
LOCATION	L0001889	VOLUME	462763.348	3772877.209	378.99
LOCATION	L0001890	VOLUME	462765.347	3772877.265	378.98
LOCATION	L0001891	VOLUME	462767.346	3772877.322	378.98
LOCATION	L0001892	VOLUME	462769.345	3772877.378	378.97
LOCATION	L0001893	VOLUME	462771.344	3772877.435	378.97
LOCATION	L0001894	VOLUME	462773.344	3772877.491	378.96
LOCATION	L0001895	VOLUME	462775.343	3772877.548	378.96
LOCATION	L0001896	VOLUME	462777.342	3772877.605	378.95
LOCATION	L0001897	VOLUME	462779.341	3772877.661	378.95
LOCATION	L0001898	VOLUME	462781.340	3772877.718	378.94
LOCATION	L0001899	VOLUME	462783.340	3772877.774	378.94
LOCATION	L0001900	VOLUME	462785.339	3772877.831	378.93
LOCATION	L0001901	VOLUME	462787.338	3772877.887	378.93
LOCATION	L0001902	VOLUME	462789.337	3772877.944	378.93
LOCATION	L0001903	VOLUME	462791.336	3772878.001	378.92
LOCATION	L0001904	VOLUME	462793.336	3772878.057	378.92
LOCATION	L0001905	VOLUME	462795.335	3772878.114	378.91
LOCATION	L0001906	VOLUME	462797.334	3772878.170	378.91
LOCATION	L0001907	VOLUME	462799.333	3772878.227	378.91
LOCATION	L0001908	VOLUME	462801.332	3772878.283	378.90
LOCATION	L0001909	VOLUME	462803.332	3772878.340	378.90
LOCATION	L0001910	VOLUME	462805.331	3772878.396	378.90
LOCATION	L0001911	VOLUME	462807.330	3772878.453	378.89
LOCATION	L0001912	VOLUME	462809.329	3772878.510	378.89
LOCATION	L0001913	VOLUME	462811.328	3772878.566	378.88
LOCATION	L0001914	VOLUME	462813.328	3772878.623	378.87
LOCATION	L0001915	VOLUME	462815.327	3772878.679	378.86
LOCATION	L0001916	VOLUME	462817.326	3772878.736	378.86
LOCATION	L0001917	VOLUME	462819.325	3772878.792	378.85
LOCATION	L0001918	VOLUME	462821.324	3772878.849	378.84

LOCATION	L0001919	VOLUME	462823.324	3772878.905	378.84
LOCATION	L0001920	VOLUME	462825.323	3772878.962	378.83
LOCATION	L0001921	VOLUME	462827.322	3772879.019	378.82
LOCATION	L0001922	VOLUME	462829.321	3772879.075	378.81
LOCATION	L0001923	VOLUME	462831.320	3772879.132	378.81
LOCATION	L0001924	VOLUME	462833.320	3772879.188	378.80
LOCATION	L0001925	VOLUME	462835.319	3772879.245	378.80
LOCATION	L0001926	VOLUME	462837.318	3772879.301	378.79
LOCATION	L0001927	VOLUME	462839.317	3772879.358	378.79
LOCATION	L0001928	VOLUME	462841.316	3772879.415	378.79
LOCATION	L0001929	VOLUME	462843.316	3772879.471	378.78
LOCATION	L0001930	VOLUME	462845.315	3772879.528	378.78
LOCATION	L0001931	VOLUME	462847.314	3772879.584	378.77
LOCATION	L0001932	VOLUME	462849.313	3772879.641	378.77
LOCATION	L0001933	VOLUME	462851.312	3772879.697	378.77
LOCATION	L0001934	VOLUME	462853.312	3772879.754	378.76
LOCATION	L0001935	VOLUME	462855.311	3772879.810	378.76
LOCATION	L0001936	VOLUME	462857.310	3772879.867	378.76
LOCATION	L0001937	VOLUME	462859.309	3772879.924	378.75
LOCATION	L0001938	VOLUME	462861.308	3772879.980	378.75
LOCATION	L0001939	VOLUME	462863.308	3772880.037	378.74
LOCATION	L0001940	VOLUME	462865.307	3772880.093	378.73
LOCATION	L0001941	VOLUME	462867.306	3772880.150	378.73
LOCATION	L0001942	VOLUME	462869.305	3772880.206	378.72
LOCATION	L0001943	VOLUME	462871.304	3772880.263	378.72
LOCATION	L0001944	VOLUME	462873.304	3772880.320	378.71
LOCATION	L0001945	VOLUME	462875.303	3772880.376	378.70
LOCATION	L0001946	VOLUME	462877.302	3772880.433	378.70
LOCATION	L0001947	VOLUME	462879.301	3772880.489	378.69
LOCATION	L0001948	VOLUME	462881.300	3772880.546	378.69
LOCATION	L0001949	VOLUME	462883.300	3772880.602	378.68
LOCATION	L0001950	VOLUME	462885.299	3772880.659	378.68
LOCATION	L0001951	VOLUME	462887.298	3772880.715	378.67
LOCATION	L0001952	VOLUME	462889.297	3772880.772	378.67
LOCATION	L0001953	VOLUME	462891.296	3772880.829	378.66
LOCATION	L0001954	VOLUME	462893.296	3772880.885	378.66
LOCATION	L0001955	VOLUME	462895.295	3772880.942	378.65
LOCATION	L0001956	VOLUME	462897.294	3772880.998	378.65
LOCATION	L0001957	VOLUME	462899.293	3772881.055	378.64
LOCATION	L0001958	VOLUME	462901.292	3772881.111	378.64
LOCATION	L0001959	VOLUME	462903.292	3772881.168	378.63
LOCATION	L0001960	VOLUME	462905.291	3772881.224	378.63
LOCATION	L0001961	VOLUME	462907.290	3772881.281	378.62
LOCATION	L0001962	VOLUME	462909.289	3772881.338	378.62
LOCATION	L0001963	VOLUME	462911.288	3772881.394	378.61
LOCATION	L0001964	VOLUME	462913.288	3772881.451	378.60
LOCATION	L0001965	VOLUME	462915.287	3772881.507	378.59
LOCATION	L0001966	VOLUME	462917.286	3772881.564	378.58

LOCATION	L0001967	VOLUME	462919.285	3772881.620	378.57
LOCATION	L0001968	VOLUME	462921.284	3772881.677	378.56
LOCATION	L0001969	VOLUME	462923.284	3772881.734	378.56
LOCATION	L0001970	VOLUME	462925.283	3772881.790	378.55
LOCATION	L0001971	VOLUME	462927.282	3772881.847	378.54
LOCATION	L0001972	VOLUME	462929.281	3772881.903	378.53
LOCATION	L0001973	VOLUME	462931.280	3772881.960	378.52
LOCATION	L0001974	VOLUME	462933.280	3772882.016	378.51
LOCATION	L0001975	VOLUME	462935.279	3772882.073	378.50
LOCATION	L0001976	VOLUME	462937.278	3772882.129	378.49
LOCATION	L0001977	VOLUME	462939.277	3772882.186	378.48
LOCATION	L0001978	VOLUME	462941.276	3772882.243	378.47
LOCATION	L0001979	VOLUME	462943.276	3772882.299	378.47
LOCATION	L0001980	VOLUME	462945.275	3772882.356	378.46
LOCATION	L0001981	VOLUME	462947.274	3772882.412	378.45
LOCATION	L0001982	VOLUME	462949.273	3772882.469	378.45
LOCATION	L0001983	VOLUME	462951.272	3772882.525	378.44
LOCATION	L0001984	VOLUME	462953.272	3772882.582	378.43
LOCATION	L0001985	VOLUME	462955.271	3772882.639	378.42
LOCATION	L0001986	VOLUME	462957.270	3772882.695	378.42
LOCATION	L0001987	VOLUME	462959.269	3772882.752	378.41
LOCATION	L0001988	VOLUME	462961.268	3772882.808	378.40
LOCATION	L0001989	VOLUME	462963.268	3772882.865	378.41
LOCATION	L0001990	VOLUME	462965.267	3772882.921	378.42
LOCATION	L0001991	VOLUME	462967.266	3772882.978	378.42
LOCATION	L0001992	VOLUME	462969.265	3772883.034	378.43
LOCATION	L0001993	VOLUME	462971.264	3772883.091	378.44
LOCATION	L0001994	VOLUME	462973.264	3772883.148	378.45
LOCATION	L0001995	VOLUME	462975.263	3772883.204	378.46
LOCATION	L0001996	VOLUME	462977.262	3772883.261	378.47
LOCATION	L0001997	VOLUME	462979.261	3772883.317	378.47
LOCATION	L0001998	VOLUME	462981.260	3772883.374	378.48
LOCATION	L0001999	VOLUME	462983.260	3772883.430	378.49
LOCATION	L0002000	VOLUME	462985.259	3772883.487	378.50
LOCATION	L0002001	VOLUME	462987.258	3772883.543	378.51
LOCATION	L0002002	VOLUME	462989.257	3772883.600	378.53
LOCATION	L0002003	VOLUME	462991.256	3772883.657	378.54
LOCATION	L0002004	VOLUME	462993.256	3772883.713	378.56
LOCATION	L0002005	VOLUME	462995.255	3772883.770	378.58
LOCATION	L0002006	VOLUME	462997.254	3772883.826	378.60
LOCATION	L0002007	VOLUME	462999.253	3772883.883	378.61
LOCATION	L0002008	VOLUME	463001.252	3772883.939	378.63
LOCATION	L0002009	VOLUME	463003.252	3772883.996	378.65
LOCATION	L0002010	VOLUME	463005.251	3772884.053	378.67
LOCATION	L0002011	VOLUME	463007.250	3772884.109	378.69
LOCATION	L0002012	VOLUME	463009.249	3772884.166	378.70
LOCATION	L0002013	VOLUME	463011.248	3772884.222	378.72
LOCATION	L0002014	VOLUME	463013.248	3772884.279	378.72

LOCATION	L0002015	VOLUME	463015.247	3772884.335	378.66
LOCATION	L0002016	VOLUME	463017.246	3772884.392	378.61
LOCATION	L0002017	VOLUME	463019.245	3772884.448	378.55
LOCATION	L0002018	VOLUME	463021.244	3772884.505	378.50
LOCATION	L0002019	VOLUME	463023.244	3772884.562	378.44
LOCATION	L0002020	VOLUME	463025.243	3772884.618	378.38
LOCATION	L0002021	VOLUME	463027.242	3772884.675	378.32
LOCATION	L0002022	VOLUME	463029.241	3772884.731	378.26
LOCATION	L0002023	VOLUME	463031.240	3772884.788	378.21
LOCATION	L0002024	VOLUME	463033.240	3772884.844	378.15
LOCATION	L0002025	VOLUME	463035.239	3772884.901	378.09
LOCATION	L0002026	VOLUME	463037.238	3772884.957	378.03
LOCATION	L0002027	VOLUME	463039.237	3772885.014	377.99
LOCATION	L0002028	VOLUME	463041.236	3772885.071	377.97
LOCATION	L0002029	VOLUME	463043.236	3772885.127	377.96
LOCATION	L0002030	VOLUME	463045.235	3772885.184	377.94
LOCATION	L0002031	VOLUME	463047.234	3772885.240	377.93
LOCATION	L0002032	VOLUME	463049.233	3772885.297	377.91
LOCATION	L0002033	VOLUME	463051.232	3772885.353	377.90
LOCATION	L0002034	VOLUME	463053.232	3772885.410	377.88
LOCATION	L0002035	VOLUME	463055.231	3772885.467	377.87
LOCATION	L0002036	VOLUME	463057.230	3772885.523	377.85
LOCATION	L0002037	VOLUME	463059.229	3772885.580	377.84
LOCATION	L0002038	VOLUME	463061.228	3772885.636	377.82
LOCATION	L0002039	VOLUME	463063.228	3772885.693	377.81
LOCATION	L0002040	VOLUME	463065.227	3772885.749	377.82
LOCATION	L0002041	VOLUME	463067.226	3772885.806	377.85
LOCATION	L0002042	VOLUME	463069.225	3772885.862	377.89
LOCATION	L0002043	VOLUME	463071.224	3772885.919	377.92
LOCATION	L0002044	VOLUME	463073.224	3772885.976	377.95
LOCATION	L0002045	VOLUME	463075.223	3772886.032	377.98
LOCATION	L0002046	VOLUME	463077.222	3772886.089	378.02
LOCATION	L0002047	VOLUME	463079.221	3772886.145	378.05
LOCATION	L0002048	VOLUME	463081.220	3772886.202	378.08
LOCATION	L0002049	VOLUME	463083.220	3772886.258	378.12
LOCATION	L0002050	VOLUME	463085.219	3772886.315	378.15
LOCATION	L0002051	VOLUME	463087.218	3772886.372	378.18
LOCATION	L0002052	VOLUME	463089.217	3772886.428	378.22
LOCATION	L0002053	VOLUME	463091.216	3772886.485	378.22
LOCATION	L0002054	VOLUME	463093.216	3772886.541	378.21
LOCATION	L0002055	VOLUME	463095.215	3772886.598	378.20
LOCATION	L0002056	VOLUME	463097.214	3772886.654	378.19
LOCATION	L0002057	VOLUME	463099.213	3772886.711	378.18
LOCATION	L0002058	VOLUME	463101.212	3772886.767	378.18
LOCATION	L0002059	VOLUME	463103.212	3772886.824	378.17
LOCATION	L0002060	VOLUME	463105.211	3772886.881	378.16
LOCATION	L0002061	VOLUME	463107.210	3772886.937	378.15
LOCATION	L0002062	VOLUME	463109.209	3772886.994	378.14

LOCATION	L0002063	VOLUME	463111.208	3772887.050	378.13
LOCATION	L0002064	VOLUME	463113.208	3772887.107	378.12
LOCATION	L0002065	VOLUME	463115.207	3772887.163	378.12
LOCATION	L0002066	VOLUME	463117.206	3772887.220	378.10
LOCATION	L0002067	VOLUME	463119.205	3772887.276	378.09
LOCATION	L0002068	VOLUME	463121.204	3772887.333	378.08
LOCATION	L0002069	VOLUME	463123.204	3772887.390	378.07
LOCATION	L0002070	VOLUME	463125.203	3772887.446	378.05
LOCATION	L0002071	VOLUME	463127.202	3772887.503	378.04
LOCATION	L0002072	VOLUME	463129.201	3772887.559	378.03
LOCATION	L0002073	VOLUME	463131.200	3772887.616	378.02
LOCATION	L0002074	VOLUME	463133.200	3772887.672	378.01
LOCATION	L0002075	VOLUME	463135.199	3772887.729	377.99
LOCATION	L0002076	VOLUME	463137.198	3772887.786	377.98
LOCATION	L0002077	VOLUME	463139.197	3772887.842	377.97
LOCATION	L0002078	VOLUME	463141.196	3772887.899	377.96
LOCATION	L0002079	VOLUME	463143.196	3772887.955	377.95
LOCATION	L0002080	VOLUME	463145.195	3772888.012	377.94
LOCATION	L0002081	VOLUME	463147.194	3772888.068	377.93
LOCATION	L0002082	VOLUME	463149.193	3772888.125	377.93
LOCATION	L0002083	VOLUME	463151.192	3772888.181	377.92
LOCATION	L0002084	VOLUME	463153.192	3772888.238	377.91
LOCATION	L0002085	VOLUME	463155.191	3772888.295	377.91
LOCATION	L0002086	VOLUME	463157.190	3772888.351	377.90
LOCATION	L0002087	VOLUME	463159.189	3772888.408	377.89
LOCATION	L0002088	VOLUME	463161.188	3772888.464	377.88
LOCATION	L0002089	VOLUME	463163.188	3772888.521	377.88
LOCATION	L0002090	VOLUME	463165.187	3772888.577	377.87
LOCATION	L0002091	VOLUME	463167.186	3772888.634	377.86
LOCATION	L0002092	VOLUME	463169.185	3772888.690	377.86
LOCATION	L0002093	VOLUME	463171.184	3772888.747	377.85
LOCATION	L0002094	VOLUME	463173.184	3772888.804	377.85
LOCATION	L0002095	VOLUME	463175.183	3772888.860	377.85
LOCATION	L0002096	VOLUME	463177.182	3772888.917	377.84
LOCATION	L0002097	VOLUME	463179.181	3772888.973	377.84
LOCATION	L0002098	VOLUME	463181.180	3772889.030	377.84
LOCATION	L0002099	VOLUME	463183.180	3772889.086	377.83
LOCATION	L0002100	VOLUME	463185.179	3772889.143	377.83
LOCATION	L0002101	VOLUME	463187.178	3772889.200	377.83
LOCATION	L0002102	VOLUME	463189.177	3772889.256	377.82
LOCATION	L0002103	VOLUME	463191.176	3772889.313	377.82
LOCATION	L0002104	VOLUME	463193.176	3772889.369	377.82
LOCATION	L0002105	VOLUME	463195.175	3772889.426	377.82
LOCATION	L0002106	VOLUME	463197.174	3772889.482	377.82
LOCATION	L0002107	VOLUME	463199.173	3772889.539	377.82
LOCATION	L0002108	VOLUME	463201.172	3772889.595	377.83
LOCATION	L0002109	VOLUME	463203.172	3772889.652	377.83
LOCATION	L0002110	VOLUME	463205.171	3772889.709	377.83

LOCATION	L0002111	VOLUME	463207.170	3772889.765	377.83
LOCATION	L0002112	VOLUME	463209.169	3772889.822	377.83
LOCATION	L0002113	VOLUME	463211.168	3772889.878	377.84
LOCATION	L0002114	VOLUME	463213.168	3772889.935	377.84
LOCATION	L0002115	VOLUME	463215.167	3772889.991	377.84
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LOCATION	L0002117	VOLUME	463219.165	3772890.105	377.84
LOCATION	L0002118	VOLUME	463221.164	3772890.161	377.84
LOCATION	L0002119	VOLUME	463223.164	3772890.218	377.84
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LOCATION	L0002125	VOLUME	463235.159	3772890.557	377.83
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LOCATION	L0002127	VOLUME	463239.157	3772890.670	377.83
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LOCATION	L0002129	VOLUME	463243.156	3772890.783	377.83
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LOCATION	L0002132	VOLUME	463249.153	3772890.953	377.82
LOCATION	L0002133	VOLUME	463251.152	3772891.009	377.81
LOCATION	L0002134	VOLUME	463253.152	3772891.066	377.81
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LOCATION	L0002136	VOLUME	463257.150	3772891.179	377.80
LOCATION	L0002137	VOLUME	463259.149	3772891.236	377.79
LOCATION	L0002138	VOLUME	463261.148	3772891.292	377.79
LOCATION	L0002139	VOLUME	463263.148	3772891.349	377.78
LOCATION	L0002140	VOLUME	463265.147	3772891.405	377.78
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LOCATION	L0002155	VOLUME	463295.135	3772892.254	377.71
LOCATION	L0002156	VOLUME	463297.134	3772892.310	377.71
LOCATION	L0002157	VOLUME	463299.133	3772892.367	377.71
LOCATION	L0002158	VOLUME	463301.132	3772892.423	377.71

LOCATION	L0002159	VOLUME	463303.132	3772892.480	377.71
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LOCATION	L0002162	VOLUME	463309.129	3772892.650	377.70
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LOCATION	L0002166	VOLUME	463317.126	3772892.876	377.70
LOCATION	L0002167	VOLUME	463319.125	3772892.933	377.70
LOCATION	L0002168	VOLUME	463321.124	3772892.989	377.69
LOCATION	L0002169	VOLUME	463323.124	3772893.046	377.69
LOCATION	L0002170	VOLUME	463325.123	3772893.102	377.68
LOCATION	L0002171	VOLUME	463327.122	3772893.159	377.67
LOCATION	L0002172	VOLUME	463329.121	3772893.215	377.66
LOCATION	L0002173	VOLUME	463331.120	3772893.272	377.66
LOCATION	L0002174	VOLUME	463333.120	3772893.328	377.65
LOCATION	L0002175	VOLUME	463335.119	3772893.385	377.64
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LOCATION	L0002177	VOLUME	463339.117	3772893.498	377.63
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LOCATION	L0002179	VOLUME	463343.116	3772893.611	377.61
LOCATION	L0002180	VOLUME	463345.115	3772893.668	377.61
LOCATION	L0002181	VOLUME	463347.114	3772893.724	377.57
LOCATION	L0002182	VOLUME	463349.113	3772893.781	377.52
LOCATION	L0002183	VOLUME	463351.112	3772893.838	377.47
LOCATION	L0002184	VOLUME	463353.112	3772893.894	377.41
LOCATION	L0002185	VOLUME	463355.111	3772893.951	377.36
LOCATION	L0002186	VOLUME	463357.110	3772894.007	377.31
LOCATION	L0002187	VOLUME	463359.109	3772894.064	377.25
LOCATION	L0002188	VOLUME	463361.108	3772894.120	377.20
LOCATION	L0002189	VOLUME	463363.108	3772894.177	377.14
LOCATION	L0002190	VOLUME	463365.107	3772894.233	377.09
LOCATION	L0002191	VOLUME	463367.106	3772894.290	377.03
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LOCATION	L0002196	VOLUME	463377.102	3772894.573	376.95
LOCATION	L0002197	VOLUME	463379.101	3772894.629	376.97
LOCATION	L0002198	VOLUME	463381.100	3772894.686	376.99
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LOCATION	L0002200	VOLUME	463385.099	3772894.799	377.02
LOCATION	L0002201	VOLUME	463387.098	3772894.856	377.04
LOCATION	L0002202	VOLUME	463389.097	3772894.912	377.05
LOCATION	L0002203	VOLUME	463391.096	3772894.969	377.07
LOCATION	L0002204	VOLUME	463393.096	3772895.025	377.08
LOCATION	L0002205	VOLUME	463395.095	3772895.082	377.10
LOCATION	L0002206	VOLUME	463397.094	3772895.138	377.12

LOCATION	L0002207	VOLUME	463399.093	3772895.195	377.16
LOCATION	L0002208	VOLUME	463401.092	3772895.252	377.21
LOCATION	L0002209	VOLUME	463403.092	3772895.308	377.26
LOCATION	L0002210	VOLUME	463405.091	3772895.365	377.31
LOCATION	L0002211	VOLUME	463407.090	3772895.421	377.36
LOCATION	L0002212	VOLUME	463409.089	3772895.478	377.41
LOCATION	L0002213	VOLUME	463411.088	3772895.534	377.46
LOCATION	L0002214	VOLUME	463413.088	3772895.591	377.51
LOCATION	L0002215	VOLUME	463415.087	3772895.647	377.56
LOCATION	L0002216	VOLUME	463417.086	3772895.704	377.61
LOCATION	L0002217	VOLUME	463419.085	3772895.761	377.66
LOCATION	L0002218	VOLUME	463421.084	3772895.817	377.71
LOCATION	L0002219	VOLUME	463423.084	3772895.874	377.75
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LOCATION	L0002221	VOLUME	463427.082	3772895.987	377.71
LOCATION	L0002222	VOLUME	463429.081	3772896.043	377.70
LOCATION	L0002223	VOLUME	463431.080	3772896.100	377.68
LOCATION	L0002224	VOLUME	463433.080	3772896.156	377.66
LOCATION	L0002225	VOLUME	463435.079	3772896.213	377.64
LOCATION	L0002226	VOLUME	463437.078	3772896.270	377.62
LOCATION	L0002227	VOLUME	463439.077	3772896.326	377.60
LOCATION	L0002228	VOLUME	463441.076	3772896.383	377.58
LOCATION	L0002229	VOLUME	463443.076	3772896.439	377.56
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LOCATION	L0002240	VOLUME	463465.067	3772897.061	377.32
LOCATION	L0002241	VOLUME	463467.066	3772897.118	377.30
LOCATION	L0002242	VOLUME	463469.065	3772897.175	377.27
LOCATION	L0002243	VOLUME	463471.064	3772897.231	377.25
LOCATION	L0002244	VOLUME	463473.064	3772897.288	377.23
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LOCATION	L0002247	VOLUME	463479.061	3772897.457	377.17
LOCATION	L0002248	VOLUME	463481.060	3772897.514	377.16
LOCATION	L0002249	VOLUME	463483.060	3772897.571	377.14
LOCATION	L0002250	VOLUME	463485.059	3772897.627	377.12
LOCATION	L0002251	VOLUME	463487.058	3772897.684	377.11
LOCATION	L0002252	VOLUME	463489.057	3772897.740	377.09
LOCATION	L0002253	VOLUME	463491.056	3772897.797	377.07
LOCATION	L0002254	VOLUME	463493.056	3772897.853	377.06

LOCATION	L0002255	VOLUME	463495.055	3772897.910	377.04
LOCATION	L0002256	VOLUME	463497.054	3772897.966	377.02
LOCATION	L0002257	VOLUME	463499.053	3772898.023	377.01
LOCATION	L0002258	VOLUME	463501.052	3772898.080	376.99
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LOCATION	L0002261	VOLUME	463507.050	3772898.249	376.94
LOCATION	L0002262	VOLUME	463509.049	3772898.306	376.93
LOCATION	L0002263	VOLUME	463511.048	3772898.362	376.91
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LOCATION	L0002267	VOLUME	463519.045	3772898.589	376.85
LOCATION	L0002268	VOLUME	463521.044	3772898.645	376.83
LOCATION	L0002269	VOLUME	463523.044	3772898.702	376.82
LOCATION	L0002270	VOLUME	463525.043	3772898.758	376.80
LOCATION	L0002271	VOLUME	463527.042	3772898.815	376.78
LOCATION	L0002272	VOLUME	463529.041	3772898.871	376.76
LOCATION	L0002273	VOLUME	463531.040	3772898.928	376.74
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LOCATION	L0002275	VOLUME	463535.039	3772899.041	376.70
LOCATION	L0002276	VOLUME	463537.038	3772899.098	376.68
LOCATION	L0002277	VOLUME	463539.037	3772899.154	376.66
LOCATION	L0002278	VOLUME	463541.036	3772899.211	376.64
LOCATION	L0002279	VOLUME	463543.036	3772899.267	376.62
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LOCATION	L0002281	VOLUME	463547.034	3772899.380	376.58
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LOCATION	L0002283	VOLUME	463551.032	3772899.494	376.54
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LOCATION	L0002290	VOLUME	463565.027	3772899.890	376.32
LOCATION	L0002291	VOLUME	463567.026	3772899.946	376.29
LOCATION	L0002292	VOLUME	463569.025	3772900.003	376.26
LOCATION	L0002293	VOLUME	463571.024	3772900.059	376.23
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LOCATION	L0002296	VOLUME	463577.022	3772900.229	376.14
LOCATION	L0002297	VOLUME	463579.021	3772900.285	376.13
LOCATION	L0002298	VOLUME	463581.020	3772900.342	376.11
LOCATION	L0002299	VOLUME	463583.020	3772900.399	376.10
LOCATION	L0002300	VOLUME	463585.019	3772900.455	376.08
LOCATION	L0002301	VOLUME	463587.018	3772900.512	376.06
LOCATION	L0002302	VOLUME	463589.017	3772900.568	376.05

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   LOCATION L0002304     VOLUME   463593.016 3772900.681 376.02
   LOCATION L0002305     VOLUME   463595.015 3772900.738 376.00
   LOCATION L0002306     VOLUME   463597.014 3772900.794 375.98
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SRCPARAM	L0002168	0.000001474	4.50	0.93	4.88
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SRCPARAM	L0002294	0.000001474	4.50	0.93	4.88
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SRCPARAM	L0002297	0.000001474	4.50	0.93	4.88

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   SRCPARAM L0002300     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002301     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002302     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002303     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002304     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002305     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002306     0.000001474      4.50      0.93      4.88
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   SRCGROUP ALL
SO FINISHED
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** AERMOD Receptor Pathway
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**
**
RE STARTING
   INCLUDED "Palmetto Replacement Site.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
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** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Palmetto Replacement Site.AD\01H1GALL.PLT" 31
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   PLOTFILE 24 ALL 1ST "Palmetto Replacement Site.AD\24H1GALL.PLT" 32
   PLOTFILE ANNUAL ALL "Palmetto Replacement Site.AD\AN00GALL.PLT" 33
   SUMMFILE "Palmetto Replacement Site.sum"
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 5/8/2020
** File: C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement
Site.ADI
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**
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** AERMOD Control Pathway
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**
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CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement
   MODELOPT DFAULT CONC
   AVERTIME 1 24 ANNUAL
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Palmetto Replacement Site.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 Metrolink RR
** PREFIX
** Length of Side = 2.00
** Configuration = Adjacent
** Emission Rate = 0.0034
** Vertical Dimension = 10.50
** SZINIT = 4.88
** Nodes = 2
** 458987.858, 3772770.394, 379.19, 4.50, 0.93
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** 463597.734, 3772900.815, 376.17, 4.50, 0.93
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   LOCATION L0000002     VOLUME   458990.857 3772770.479 379.32
   LOCATION L0000003     VOLUME   458992.856 3772770.535 379.32
   LOCATION L0000004     VOLUME   458994.855 3772770.592 379.32
   LOCATION L0000005     VOLUME   458996.855 3772770.648 379.31
   LOCATION L0000006     VOLUME   458998.854 3772770.705 379.31
   LOCATION L0000007     VOLUME   459000.853 3772770.762 379.31
   LOCATION L0000008     VOLUME   459002.852 3772770.818 379.30
   LOCATION L0000009     VOLUME   459004.851 3772770.875 379.30
   LOCATION L0000010     VOLUME   459006.851 3772770.931 379.30
   LOCATION L0000011     VOLUME   459008.850 3772770.988 379.29
   LOCATION L0000012     VOLUME   459010.849 3772771.044 379.29
   LOCATION L0000013     VOLUME   459012.848 3772771.101 379.29
   LOCATION L0000014     VOLUME   459014.847 3772771.157 379.28
   LOCATION L0000015     VOLUME   459016.847 3772771.214 379.29
   LOCATION L0000016     VOLUME   459018.846 3772771.271 379.29
   LOCATION L0000017     VOLUME   459020.845 3772771.327 379.29
   LOCATION L0000018     VOLUME   459022.844 3772771.384 379.29
   LOCATION L0000019     VOLUME   459024.843 3772771.440 379.29
   LOCATION L0000020     VOLUME   459026.843 3772771.497 379.30
   LOCATION L0000021     VOLUME   459028.842 3772771.553 379.30
   LOCATION L0000022     VOLUME   459030.841 3772771.610 379.30
   LOCATION L0000023     VOLUME   459032.840 3772771.666 379.30
   LOCATION L0000024     VOLUME   459034.839 3772771.723 379.30
   LOCATION L0000025     VOLUME   459036.839 3772771.780 379.31
   LOCATION L0000026     VOLUME   459038.838 3772771.836 379.31
   LOCATION L0000027     VOLUME   459040.837 3772771.893 379.31
   LOCATION L0000028     VOLUME   459042.836 3772771.949 379.32
   LOCATION L0000029     VOLUME   459044.835 3772772.006 379.33
   LOCATION L0000030     VOLUME   459046.835 3772772.062 379.34
   LOCATION L0000031     VOLUME   459048.834 3772772.119 379.35
   LOCATION L0000032     VOLUME   459050.833 3772772.176 379.35
   LOCATION L0000033     VOLUME   459052.832 3772772.232 379.36
   LOCATION L0000034     VOLUME   459054.831 3772772.289 379.37
   LOCATION L0000035     VOLUME   459056.831 3772772.345 379.38
   LOCATION L0000036     VOLUME   459058.830 3772772.402 379.39
   LOCATION L0000037     VOLUME   459060.829 3772772.458 379.40
   LOCATION L0000038     VOLUME   459062.828 3772772.515 379.41
   LOCATION L0000039     VOLUME   459064.827 3772772.571 379.41
   LOCATION L0000040     VOLUME   459066.827 3772772.628 379.42
   LOCATION L0000041     VOLUME   459068.826 3772772.685 379.44
   LOCATION L0000042     VOLUME   459070.825 3772772.741 379.45
   LOCATION L0000043     VOLUME   459072.824 3772772.798 379.46
   LOCATION L0000044     VOLUME   459074.823 3772772.854 379.48
   LOCATION L0000045     VOLUME   459076.823 3772772.911 379.49
   LOCATION L0000046     VOLUME   459078.822 3772772.967 379.50
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LOCATION	L0000048	VOLUME	459082.820	3772773.080	379.53
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LOCATION	L0000050	VOLUME	459086.819	3772773.194	379.55
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LOCATION	L0000053	VOLUME	459092.816	3772773.363	379.59
LOCATION	L0000054	VOLUME	459094.815	3772773.420	379.61
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LOCATION	L0000075	VOLUME	459136.799	3772774.608	379.85
LOCATION	L0000076	VOLUME	459138.798	3772774.664	379.86
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LOCATION	L0000078	VOLUME	459142.796	3772774.777	379.87
LOCATION	L0000079	VOLUME	459144.795	3772774.834	379.87
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LOCATION	L0000092	VOLUME	459170.785	3772775.569	379.95
LOCATION	L0000093	VOLUME	459172.784	3772775.626	379.96
LOCATION	L0000094	VOLUME	459174.783	3772775.682	379.98

LOCATION	L0000095	VOLUME	459176.783	3772775.739	380.00
LOCATION	L0000096	VOLUME	459178.782	3772775.795	380.02
LOCATION	L0000097	VOLUME	459180.781	3772775.852	380.03
LOCATION	L0000098	VOLUME	459182.780	3772775.909	380.05
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LOCATION	L0000107	VOLUME	459200.773	3772776.418	380.24
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LOCATION	L0000118	VOLUME	459222.764	3772777.040	380.53
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LOCATION	L0000123	VOLUME	459232.760	3772777.323	380.63
LOCATION	L0000124	VOLUME	459234.759	3772777.379	380.65
LOCATION	L0000125	VOLUME	459236.759	3772777.436	380.67
LOCATION	L0000126	VOLUME	459238.758	3772777.492	380.69
LOCATION	L0000127	VOLUME	459240.757	3772777.549	380.71
LOCATION	L0000128	VOLUME	459242.756	3772777.605	380.73
LOCATION	L0000129	VOLUME	459244.755	3772777.662	380.75
LOCATION	L0000130	VOLUME	459246.755	3772777.718	380.76
LOCATION	L0000131	VOLUME	459248.754	3772777.775	380.76
LOCATION	L0000132	VOLUME	459250.753	3772777.832	380.77
LOCATION	L0000133	VOLUME	459252.752	3772777.888	380.77
LOCATION	L0000134	VOLUME	459254.751	3772777.945	380.78
LOCATION	L0000135	VOLUME	459256.751	3772778.001	380.78
LOCATION	L0000136	VOLUME	459258.750	3772778.058	380.79
LOCATION	L0000137	VOLUME	459260.749	3772778.114	380.79
LOCATION	L0000138	VOLUME	459262.748	3772778.171	380.80
LOCATION	L0000139	VOLUME	459264.747	3772778.228	380.80
LOCATION	L0000140	VOLUME	459266.747	3772778.284	380.80
LOCATION	L0000141	VOLUME	459268.746	3772778.341	380.81
LOCATION	L0000142	VOLUME	459270.745	3772778.397	380.81

LOCATION	L0000143	VOLUME	459272.744	3772778.454	380.81
LOCATION	L0000144	VOLUME	459274.743	3772778.510	380.80
LOCATION	L0000145	VOLUME	459276.743	3772778.567	380.79
LOCATION	L0000146	VOLUME	459278.742	3772778.623	380.79
LOCATION	L0000147	VOLUME	459280.741	3772778.680	380.78
LOCATION	L0000148	VOLUME	459282.740	3772778.737	380.77
LOCATION	L0000149	VOLUME	459284.739	3772778.793	380.76
LOCATION	L0000150	VOLUME	459286.739	3772778.850	380.76
LOCATION	L0000151	VOLUME	459288.738	3772778.906	380.75
LOCATION	L0000152	VOLUME	459290.737	3772778.963	380.74
LOCATION	L0000153	VOLUME	459292.736	3772779.019	380.73
LOCATION	L0000154	VOLUME	459294.735	3772779.076	380.73
LOCATION	L0000155	VOLUME	459296.735	3772779.132	380.72
LOCATION	L0000156	VOLUME	459298.734	3772779.189	380.72
LOCATION	L0000157	VOLUME	459300.733	3772779.246	380.73
LOCATION	L0000158	VOLUME	459302.732	3772779.302	380.73
LOCATION	L0000159	VOLUME	459304.731	3772779.359	380.74
LOCATION	L0000160	VOLUME	459306.731	3772779.415	380.75
LOCATION	L0000161	VOLUME	459308.730	3772779.472	380.75
LOCATION	L0000162	VOLUME	459310.729	3772779.528	380.76
LOCATION	L0000163	VOLUME	459312.728	3772779.585	380.76
LOCATION	L0000164	VOLUME	459314.727	3772779.642	380.77
LOCATION	L0000165	VOLUME	459316.727	3772779.698	380.77
LOCATION	L0000166	VOLUME	459318.726	3772779.755	380.78
LOCATION	L0000167	VOLUME	459320.725	3772779.811	380.79
LOCATION	L0000168	VOLUME	459322.724	3772779.868	380.79
LOCATION	L0000169	VOLUME	459324.723	3772779.924	380.80
LOCATION	L0000170	VOLUME	459326.723	3772779.981	380.81
LOCATION	L0000171	VOLUME	459328.722	3772780.037	380.82
LOCATION	L0000172	VOLUME	459330.721	3772780.094	380.84
LOCATION	L0000173	VOLUME	459332.720	3772780.151	380.85
LOCATION	L0000174	VOLUME	459334.719	3772780.207	380.86
LOCATION	L0000175	VOLUME	459336.719	3772780.264	380.87
LOCATION	L0000176	VOLUME	459338.718	3772780.320	380.88
LOCATION	L0000177	VOLUME	459340.717	3772780.377	380.89
LOCATION	L0000178	VOLUME	459342.716	3772780.433	380.90
LOCATION	L0000179	VOLUME	459344.715	3772780.490	380.91
LOCATION	L0000180	VOLUME	459346.715	3772780.547	380.92
LOCATION	L0000181	VOLUME	459348.714	3772780.603	380.94
LOCATION	L0000182	VOLUME	459350.713	3772780.660	380.95
LOCATION	L0000183	VOLUME	459352.712	3772780.716	380.97
LOCATION	L0000184	VOLUME	459354.711	3772780.773	380.98
LOCATION	L0000185	VOLUME	459356.711	3772780.829	381.00
LOCATION	L0000186	VOLUME	459358.710	3772780.886	381.01
LOCATION	L0000187	VOLUME	459360.709	3772780.942	381.03
LOCATION	L0000188	VOLUME	459362.708	3772780.999	381.04
LOCATION	L0000189	VOLUME	459364.707	3772781.056	381.06
LOCATION	L0000190	VOLUME	459366.707	3772781.112	381.07

LOCATION	L0000191	VOLUME	459368.706	3772781.169	381.09
LOCATION	L0000192	VOLUME	459370.705	3772781.225	381.10
LOCATION	L0000193	VOLUME	459372.704	3772781.282	381.12
LOCATION	L0000194	VOLUME	459374.703	3772781.338	381.13
LOCATION	L0000195	VOLUME	459376.703	3772781.395	381.15
LOCATION	L0000196	VOLUME	459378.702	3772781.451	381.17
LOCATION	L0000197	VOLUME	459380.701	3772781.508	381.18
LOCATION	L0000198	VOLUME	459382.700	3772781.565	381.20
LOCATION	L0000199	VOLUME	459384.699	3772781.621	381.22
LOCATION	L0000200	VOLUME	459386.699	3772781.678	381.23
LOCATION	L0000201	VOLUME	459388.698	3772781.734	381.25
LOCATION	L0000202	VOLUME	459390.697	3772781.791	381.27
LOCATION	L0000203	VOLUME	459392.696	3772781.847	381.28
LOCATION	L0000204	VOLUME	459394.695	3772781.904	381.30
LOCATION	L0000205	VOLUME	459396.695	3772781.961	381.31
LOCATION	L0000206	VOLUME	459398.694	3772782.017	381.33
LOCATION	L0000207	VOLUME	459400.693	3772782.074	381.34
LOCATION	L0000208	VOLUME	459402.692	3772782.130	381.35
LOCATION	L0000209	VOLUME	459404.691	3772782.187	381.36
LOCATION	L0000210	VOLUME	459406.691	3772782.243	381.37
LOCATION	L0000211	VOLUME	459408.690	3772782.300	381.39
LOCATION	L0000212	VOLUME	459410.689	3772782.356	381.40
LOCATION	L0000213	VOLUME	459412.688	3772782.413	381.41
LOCATION	L0000214	VOLUME	459414.687	3772782.470	381.42
LOCATION	L0000215	VOLUME	459416.687	3772782.526	381.43
LOCATION	L0000216	VOLUME	459418.686	3772782.583	381.44
LOCATION	L0000217	VOLUME	459420.685	3772782.639	381.45
LOCATION	L0000218	VOLUME	459422.684	3772782.696	381.46
LOCATION	L0000219	VOLUME	459424.683	3772782.752	381.47
LOCATION	L0000220	VOLUME	459426.683	3772782.809	381.46
LOCATION	L0000221	VOLUME	459428.682	3772782.865	381.46
LOCATION	L0000222	VOLUME	459430.681	3772782.922	381.45
LOCATION	L0000223	VOLUME	459432.680	3772782.979	381.45
LOCATION	L0000224	VOLUME	459434.679	3772783.035	381.44
LOCATION	L0000225	VOLUME	459436.679	3772783.092	381.43
LOCATION	L0000226	VOLUME	459438.678	3772783.148	381.43
LOCATION	L0000227	VOLUME	459440.677	3772783.205	381.42
LOCATION	L0000228	VOLUME	459442.676	3772783.261	381.42
LOCATION	L0000229	VOLUME	459444.675	3772783.318	381.41
LOCATION	L0000230	VOLUME	459446.675	3772783.375	381.40
LOCATION	L0000231	VOLUME	459448.674	3772783.431	381.40
LOCATION	L0000232	VOLUME	459450.673	3772783.488	381.39
LOCATION	L0000233	VOLUME	459452.672	3772783.544	381.39
LOCATION	L0000234	VOLUME	459454.671	3772783.601	381.40
LOCATION	L0000235	VOLUME	459456.671	3772783.657	381.40
LOCATION	L0000236	VOLUME	459458.670	3772783.714	381.40
LOCATION	L0000237	VOLUME	459460.669	3772783.770	381.41
LOCATION	L0000238	VOLUME	459462.668	3772783.827	381.41

LOCATION	L0000239	VOLUME	459464.667	3772783.884	381.41
LOCATION	L0000240	VOLUME	459466.667	3772783.940	381.42
LOCATION	L0000241	VOLUME	459468.666	3772783.997	381.42
LOCATION	L0000242	VOLUME	459470.665	3772784.053	381.42
LOCATION	L0000243	VOLUME	459472.664	3772784.110	381.43
LOCATION	L0000244	VOLUME	459474.663	3772784.166	381.43
LOCATION	L0000245	VOLUME	459476.663	3772784.223	381.43
LOCATION	L0000246	VOLUME	459478.662	3772784.280	381.43
LOCATION	L0000247	VOLUME	459480.661	3772784.336	381.43
LOCATION	L0000248	VOLUME	459482.660	3772784.393	381.43
LOCATION	L0000249	VOLUME	459484.659	3772784.449	381.44
LOCATION	L0000250	VOLUME	459486.659	3772784.506	381.44
LOCATION	L0000251	VOLUME	459488.658	3772784.562	381.44
LOCATION	L0000252	VOLUME	459490.657	3772784.619	381.44
LOCATION	L0000253	VOLUME	459492.656	3772784.675	381.44
LOCATION	L0000254	VOLUME	459494.655	3772784.732	381.44
LOCATION	L0000255	VOLUME	459496.655	3772784.789	381.44
LOCATION	L0000256	VOLUME	459498.654	3772784.845	381.44
LOCATION	L0000257	VOLUME	459500.653	3772784.902	381.44
LOCATION	L0000258	VOLUME	459502.652	3772784.958	381.45
LOCATION	L0000259	VOLUME	459504.651	3772785.015	381.46
LOCATION	L0000260	VOLUME	459506.651	3772785.071	381.47
LOCATION	L0000261	VOLUME	459508.650	3772785.128	381.48
LOCATION	L0000262	VOLUME	459510.649	3772785.184	381.49
LOCATION	L0000263	VOLUME	459512.648	3772785.241	381.49
LOCATION	L0000264	VOLUME	459514.647	3772785.298	381.50
LOCATION	L0000265	VOLUME	459516.647	3772785.354	381.51
LOCATION	L0000266	VOLUME	459518.646	3772785.411	381.52
LOCATION	L0000267	VOLUME	459520.645	3772785.467	381.53
LOCATION	L0000268	VOLUME	459522.644	3772785.524	381.54
LOCATION	L0000269	VOLUME	459524.643	3772785.580	381.55
LOCATION	L0000270	VOLUME	459526.643	3772785.637	381.56
LOCATION	L0000271	VOLUME	459528.642	3772785.694	381.57
LOCATION	L0000272	VOLUME	459530.641	3772785.750	381.58
LOCATION	L0000273	VOLUME	459532.640	3772785.807	381.58
LOCATION	L0000274	VOLUME	459534.639	3772785.863	381.59
LOCATION	L0000275	VOLUME	459536.639	3772785.920	381.60
LOCATION	L0000276	VOLUME	459538.638	3772785.976	381.60
LOCATION	L0000277	VOLUME	459540.637	3772786.033	381.61
LOCATION	L0000278	VOLUME	459542.636	3772786.089	381.62
LOCATION	L0000279	VOLUME	459544.635	3772786.146	381.63
LOCATION	L0000280	VOLUME	459546.635	3772786.203	381.63
LOCATION	L0000281	VOLUME	459548.634	3772786.259	381.64
LOCATION	L0000282	VOLUME	459550.633	3772786.316	381.65
LOCATION	L0000283	VOLUME	459552.632	3772786.372	381.65
LOCATION	L0000284	VOLUME	459554.631	3772786.429	381.66
LOCATION	L0000285	VOLUME	459556.631	3772786.485	381.66
LOCATION	L0000286	VOLUME	459558.630	3772786.542	381.67

LOCATION	L0000287	VOLUME	459560.629	3772786.598	381.67
LOCATION	L0000288	VOLUME	459562.628	3772786.655	381.68
LOCATION	L0000289	VOLUME	459564.627	3772786.712	381.68
LOCATION	L0000290	VOLUME	459566.627	3772786.768	381.69
LOCATION	L0000291	VOLUME	459568.626	3772786.825	381.69
LOCATION	L0000292	VOLUME	459570.625	3772786.881	381.70
LOCATION	L0000293	VOLUME	459572.624	3772786.938	381.70
LOCATION	L0000294	VOLUME	459574.623	3772786.994	381.71
LOCATION	L0000295	VOLUME	459576.623	3772787.051	381.71
LOCATION	L0000296	VOLUME	459578.622	3772787.108	381.72
LOCATION	L0000297	VOLUME	459580.621	3772787.164	381.72
LOCATION	L0000298	VOLUME	459582.620	3772787.221	381.72
LOCATION	L0000299	VOLUME	459584.619	3772787.277	381.72
LOCATION	L0000300	VOLUME	459586.619	3772787.334	381.72
LOCATION	L0000301	VOLUME	459588.618	3772787.390	381.72
LOCATION	L0000302	VOLUME	459590.617	3772787.447	381.72
LOCATION	L0000303	VOLUME	459592.616	3772787.503	381.72
LOCATION	L0000304	VOLUME	459594.615	3772787.560	381.72
LOCATION	L0000305	VOLUME	459596.615	3772787.617	381.72
LOCATION	L0000306	VOLUME	459598.614	3772787.673	381.73
LOCATION	L0000307	VOLUME	459600.613	3772787.730	381.73
LOCATION	L0000308	VOLUME	459602.612	3772787.786	381.73
LOCATION	L0000309	VOLUME	459604.611	3772787.843	381.73
LOCATION	L0000310	VOLUME	459606.611	3772787.899	381.74
LOCATION	L0000311	VOLUME	459608.610	3772787.956	381.75
LOCATION	L0000312	VOLUME	459610.609	3772788.013	381.75
LOCATION	L0000313	VOLUME	459612.608	3772788.069	381.76
LOCATION	L0000314	VOLUME	459614.607	3772788.126	381.77
LOCATION	L0000315	VOLUME	459616.607	3772788.182	381.77
LOCATION	L0000316	VOLUME	459618.606	3772788.239	381.78
LOCATION	L0000317	VOLUME	459620.605	3772788.295	381.79
LOCATION	L0000318	VOLUME	459622.604	3772788.352	381.80
LOCATION	L0000319	VOLUME	459624.603	3772788.408	381.80
LOCATION	L0000320	VOLUME	459626.603	3772788.465	381.81
LOCATION	L0000321	VOLUME	459628.602	3772788.522	381.82
LOCATION	L0000322	VOLUME	459630.601	3772788.578	381.83
LOCATION	L0000323	VOLUME	459632.600	3772788.635	381.84
LOCATION	L0000324	VOLUME	459634.599	3772788.691	381.85
LOCATION	L0000325	VOLUME	459636.599	3772788.748	381.86
LOCATION	L0000326	VOLUME	459638.598	3772788.804	381.88
LOCATION	L0000327	VOLUME	459640.597	3772788.861	381.89
LOCATION	L0000328	VOLUME	459642.596	3772788.917	381.90
LOCATION	L0000329	VOLUME	459644.595	3772788.974	381.91
LOCATION	L0000330	VOLUME	459646.595	3772789.031	381.92
LOCATION	L0000331	VOLUME	459648.594	3772789.087	381.94
LOCATION	L0000332	VOLUME	459650.593	3772789.144	381.95
LOCATION	L0000333	VOLUME	459652.592	3772789.200	381.96
LOCATION	L0000334	VOLUME	459654.591	3772789.257	381.97

LOCATION	L0000335	VOLUME	459656.591	3772789.313	381.98
LOCATION	L0000336	VOLUME	459658.590	3772789.370	381.99
LOCATION	L0000337	VOLUME	459660.589	3772789.427	382.00
LOCATION	L0000338	VOLUME	459662.588	3772789.483	382.00
LOCATION	L0000339	VOLUME	459664.587	3772789.540	382.01
LOCATION	L0000340	VOLUME	459666.587	3772789.596	382.02
LOCATION	L0000341	VOLUME	459668.586	3772789.653	382.02
LOCATION	L0000342	VOLUME	459670.585	3772789.709	382.03
LOCATION	L0000343	VOLUME	459672.584	3772789.766	382.04
LOCATION	L0000344	VOLUME	459674.583	3772789.822	382.05
LOCATION	L0000345	VOLUME	459676.583	3772789.879	382.05
LOCATION	L0000346	VOLUME	459678.582	3772789.936	382.06
LOCATION	L0000347	VOLUME	459680.581	3772789.992	382.07
LOCATION	L0000348	VOLUME	459682.580	3772790.049	382.07
LOCATION	L0000349	VOLUME	459684.579	3772790.105	382.07
LOCATION	L0000350	VOLUME	459686.579	3772790.162	382.07
LOCATION	L0000351	VOLUME	459688.578	3772790.218	382.07
LOCATION	L0000352	VOLUME	459690.577	3772790.275	382.07
LOCATION	L0000353	VOLUME	459692.576	3772790.332	382.07
LOCATION	L0000354	VOLUME	459694.575	3772790.388	382.07
LOCATION	L0000355	VOLUME	459696.575	3772790.445	382.07
LOCATION	L0000356	VOLUME	459698.574	3772790.501	382.07
LOCATION	L0000357	VOLUME	459700.573	3772790.558	382.08
LOCATION	L0000358	VOLUME	459702.572	3772790.614	382.08
LOCATION	L0000359	VOLUME	459704.571	3772790.671	382.08
LOCATION	L0000360	VOLUME	459706.571	3772790.727	382.08
LOCATION	L0000361	VOLUME	459708.570	3772790.784	382.07
LOCATION	L0000362	VOLUME	459710.569	3772790.841	382.07
LOCATION	L0000363	VOLUME	459712.568	3772790.897	382.06
LOCATION	L0000364	VOLUME	459714.567	3772790.954	382.06
LOCATION	L0000365	VOLUME	459716.567	3772791.010	382.05
LOCATION	L0000366	VOLUME	459718.566	3772791.067	382.04
LOCATION	L0000367	VOLUME	459720.565	3772791.123	382.04
LOCATION	L0000368	VOLUME	459722.564	3772791.180	382.03
LOCATION	L0000369	VOLUME	459724.563	3772791.236	382.02
LOCATION	L0000370	VOLUME	459726.563	3772791.293	382.02
LOCATION	L0000371	VOLUME	459728.562	3772791.350	382.01
LOCATION	L0000372	VOLUME	459730.561	3772791.406	382.00
LOCATION	L0000373	VOLUME	459732.560	3772791.463	382.00
LOCATION	L0000374	VOLUME	459734.559	3772791.519	382.00
LOCATION	L0000375	VOLUME	459736.559	3772791.576	382.00
LOCATION	L0000376	VOLUME	459738.558	3772791.632	382.00
LOCATION	L0000377	VOLUME	459740.557	3772791.689	381.99
LOCATION	L0000378	VOLUME	459742.556	3772791.746	381.99
LOCATION	L0000379	VOLUME	459744.555	3772791.802	381.99
LOCATION	L0000380	VOLUME	459746.555	3772791.859	381.99
LOCATION	L0000381	VOLUME	459748.554	3772791.915	381.99
LOCATION	L0000382	VOLUME	459750.553	3772791.972	381.99

LOCATION	L0000383	VOLUME	459752.552	3772792.028	381.99
LOCATION	L0000384	VOLUME	459754.551	3772792.085	381.99
LOCATION	L0000385	VOLUME	459756.551	3772792.141	381.99
LOCATION	L0000386	VOLUME	459758.550	3772792.198	381.99
LOCATION	L0000387	VOLUME	459760.549	3772792.255	382.00
LOCATION	L0000388	VOLUME	459762.548	3772792.311	382.01
LOCATION	L0000389	VOLUME	459764.547	3772792.368	382.02
LOCATION	L0000390	VOLUME	459766.547	3772792.424	382.04
LOCATION	L0000391	VOLUME	459768.546	3772792.481	382.05
LOCATION	L0000392	VOLUME	459770.545	3772792.537	382.06
LOCATION	L0000393	VOLUME	459772.544	3772792.594	382.07
LOCATION	L0000394	VOLUME	459774.543	3772792.650	382.08
LOCATION	L0000395	VOLUME	459776.543	3772792.707	382.09
LOCATION	L0000396	VOLUME	459778.542	3772792.764	382.11
LOCATION	L0000397	VOLUME	459780.541	3772792.820	382.12
LOCATION	L0000398	VOLUME	459782.540	3772792.877	382.13
LOCATION	L0000399	VOLUME	459784.539	3772792.933	382.14
LOCATION	L0000400	VOLUME	459786.539	3772792.990	382.15
LOCATION	L0000401	VOLUME	459788.538	3772793.046	382.15
LOCATION	L0000402	VOLUME	459790.537	3772793.103	382.16
LOCATION	L0000403	VOLUME	459792.536	3772793.160	382.17
LOCATION	L0000404	VOLUME	459794.535	3772793.216	382.17
LOCATION	L0000405	VOLUME	459796.535	3772793.273	382.18
LOCATION	L0000406	VOLUME	459798.534	3772793.329	382.19
LOCATION	L0000407	VOLUME	459800.533	3772793.386	382.19
LOCATION	L0000408	VOLUME	459802.532	3772793.442	382.20
LOCATION	L0000409	VOLUME	459804.531	3772793.499	382.21
LOCATION	L0000410	VOLUME	459806.531	3772793.555	382.21
LOCATION	L0000411	VOLUME	459808.530	3772793.612	382.22
LOCATION	L0000412	VOLUME	459810.529	3772793.669	382.22
LOCATION	L0000413	VOLUME	459812.528	3772793.725	382.21
LOCATION	L0000414	VOLUME	459814.527	3772793.782	382.21
LOCATION	L0000415	VOLUME	459816.527	3772793.838	382.20
LOCATION	L0000416	VOLUME	459818.526	3772793.895	382.19
LOCATION	L0000417	VOLUME	459820.525	3772793.951	382.19
LOCATION	L0000418	VOLUME	459822.524	3772794.008	382.18
LOCATION	L0000419	VOLUME	459824.523	3772794.065	382.18
LOCATION	L0000420	VOLUME	459826.523	3772794.121	382.17
LOCATION	L0000421	VOLUME	459828.522	3772794.178	382.17
LOCATION	L0000422	VOLUME	459830.521	3772794.234	382.17
LOCATION	L0000423	VOLUME	459832.520	3772794.291	382.16
LOCATION	L0000424	VOLUME	459834.519	3772794.347	382.16
LOCATION	L0000425	VOLUME	459836.519	3772794.404	382.15
LOCATION	L0000426	VOLUME	459838.518	3772794.460	382.15
LOCATION	L0000427	VOLUME	459840.517	3772794.517	382.15
LOCATION	L0000428	VOLUME	459842.516	3772794.574	382.15
LOCATION	L0000429	VOLUME	459844.515	3772794.630	382.15
LOCATION	L0000430	VOLUME	459846.515	3772794.687	382.14

LOCATION	L0000431	VOLUME	459848.514	3772794.743	382.14
LOCATION	L0000432	VOLUME	459850.513	3772794.800	382.14
LOCATION	L0000433	VOLUME	459852.512	3772794.856	382.14
LOCATION	L0000434	VOLUME	459854.511	3772794.913	382.14
LOCATION	L0000435	VOLUME	459856.511	3772794.969	382.13
LOCATION	L0000436	VOLUME	459858.510	3772795.026	382.13
LOCATION	L0000437	VOLUME	459860.509	3772795.083	382.13
LOCATION	L0000438	VOLUME	459862.508	3772795.139	382.13
LOCATION	L0000439	VOLUME	459864.507	3772795.196	382.14
LOCATION	L0000440	VOLUME	459866.507	3772795.252	382.15
LOCATION	L0000441	VOLUME	459868.506	3772795.309	382.15
LOCATION	L0000442	VOLUME	459870.505	3772795.365	382.16
LOCATION	L0000443	VOLUME	459872.504	3772795.422	382.16
LOCATION	L0000444	VOLUME	459874.503	3772795.479	382.17
LOCATION	L0000445	VOLUME	459876.503	3772795.535	382.17
LOCATION	L0000446	VOLUME	459878.502	3772795.592	382.18
LOCATION	L0000447	VOLUME	459880.501	3772795.648	382.18
LOCATION	L0000448	VOLUME	459882.500	3772795.705	382.19
LOCATION	L0000449	VOLUME	459884.499	3772795.761	382.19
LOCATION	L0000450	VOLUME	459886.499	3772795.818	382.20
LOCATION	L0000451	VOLUME	459888.498	3772795.874	382.20
LOCATION	L0000452	VOLUME	459890.497	3772795.931	382.21
LOCATION	L0000453	VOLUME	459892.496	3772795.988	382.22
LOCATION	L0000454	VOLUME	459894.495	3772796.044	382.23
LOCATION	L0000455	VOLUME	459896.495	3772796.101	382.24
LOCATION	L0000456	VOLUME	459898.494	3772796.157	382.25
LOCATION	L0000457	VOLUME	459900.493	3772796.214	382.26
LOCATION	L0000458	VOLUME	459902.492	3772796.270	382.27
LOCATION	L0000459	VOLUME	459904.491	3772796.327	382.27
LOCATION	L0000460	VOLUME	459906.491	3772796.383	382.28
LOCATION	L0000461	VOLUME	459908.490	3772796.440	382.29
LOCATION	L0000462	VOLUME	459910.489	3772796.497	382.30
LOCATION	L0000463	VOLUME	459912.488	3772796.553	382.31
LOCATION	L0000464	VOLUME	459914.487	3772796.610	382.32
LOCATION	L0000465	VOLUME	459916.487	3772796.666	382.34
LOCATION	L0000466	VOLUME	459918.486	3772796.723	382.35
LOCATION	L0000467	VOLUME	459920.485	3772796.779	382.36
LOCATION	L0000468	VOLUME	459922.484	3772796.836	382.37
LOCATION	L0000469	VOLUME	459924.483	3772796.893	382.39
LOCATION	L0000470	VOLUME	459926.483	3772796.949	382.40
LOCATION	L0000471	VOLUME	459928.482	3772797.006	382.41
LOCATION	L0000472	VOLUME	459930.481	3772797.062	382.43
LOCATION	L0000473	VOLUME	459932.480	3772797.119	382.44
LOCATION	L0000474	VOLUME	459934.479	3772797.175	382.45
LOCATION	L0000475	VOLUME	459936.479	3772797.232	382.46
LOCATION	L0000476	VOLUME	459938.478	3772797.288	382.48
LOCATION	L0000477	VOLUME	459940.477	3772797.345	382.49
LOCATION	L0000478	VOLUME	459942.476	3772797.402	382.51

LOCATION	L0000479	VOLUME	459944.475	3772797.458	382.52
LOCATION	L0000480	VOLUME	459946.475	3772797.515	382.54
LOCATION	L0000481	VOLUME	459948.474	3772797.571	382.55
LOCATION	L0000482	VOLUME	459950.473	3772797.628	382.57
LOCATION	L0000483	VOLUME	459952.472	3772797.684	382.58
LOCATION	L0000484	VOLUME	459954.471	3772797.741	382.60
LOCATION	L0000485	VOLUME	459956.471	3772797.798	382.61
LOCATION	L0000486	VOLUME	459958.470	3772797.854	382.63
LOCATION	L0000487	VOLUME	459960.469	3772797.911	382.65
LOCATION	L0000488	VOLUME	459962.468	3772797.967	382.66
LOCATION	L0000489	VOLUME	459964.467	3772798.024	382.68
LOCATION	L0000490	VOLUME	459966.467	3772798.080	382.70
LOCATION	L0000491	VOLUME	459968.466	3772798.137	382.72
LOCATION	L0000492	VOLUME	459970.465	3772798.193	382.73
LOCATION	L0000493	VOLUME	459972.464	3772798.250	382.75
LOCATION	L0000494	VOLUME	459974.463	3772798.307	382.77
LOCATION	L0000495	VOLUME	459976.463	3772798.363	382.79
LOCATION	L0000496	VOLUME	459978.462	3772798.420	382.81
LOCATION	L0000497	VOLUME	459980.461	3772798.476	382.83
LOCATION	L0000498	VOLUME	459982.460	3772798.533	382.85
LOCATION	L0000499	VOLUME	459984.459	3772798.589	382.86
LOCATION	L0000500	VOLUME	459986.459	3772798.646	382.88
LOCATION	L0000501	VOLUME	459988.458	3772798.702	382.90
LOCATION	L0000502	VOLUME	459990.457	3772798.759	382.91
LOCATION	L0000503	VOLUME	459992.456	3772798.816	382.93
LOCATION	L0000504	VOLUME	459994.455	3772798.872	382.94
LOCATION	L0000505	VOLUME	459996.455	3772798.929	382.95
LOCATION	L0000506	VOLUME	459998.454	3772798.985	382.96
LOCATION	L0000507	VOLUME	460000.453	3772799.042	382.97
LOCATION	L0000508	VOLUME	460002.452	3772799.098	382.98
LOCATION	L0000509	VOLUME	460004.451	3772799.155	382.99
LOCATION	L0000510	VOLUME	460006.451	3772799.212	383.01
LOCATION	L0000511	VOLUME	460008.450	3772799.268	383.02
LOCATION	L0000512	VOLUME	460010.449	3772799.325	383.03
LOCATION	L0000513	VOLUME	460012.448	3772799.381	383.04
LOCATION	L0000514	VOLUME	460014.447	3772799.438	383.05
LOCATION	L0000515	VOLUME	460016.447	3772799.494	383.06
LOCATION	L0000516	VOLUME	460018.446	3772799.551	383.07
LOCATION	L0000517	VOLUME	460020.445	3772799.607	383.07
LOCATION	L0000518	VOLUME	460022.444	3772799.664	383.08
LOCATION	L0000519	VOLUME	460024.443	3772799.721	383.09
LOCATION	L0000520	VOLUME	460026.443	3772799.777	383.10
LOCATION	L0000521	VOLUME	460028.442	3772799.834	383.11
LOCATION	L0000522	VOLUME	460030.441	3772799.890	383.11
LOCATION	L0000523	VOLUME	460032.440	3772799.947	383.12
LOCATION	L0000524	VOLUME	460034.439	3772800.003	383.13
LOCATION	L0000525	VOLUME	460036.439	3772800.060	383.14
LOCATION	L0000526	VOLUME	460038.438	3772800.116	383.14

LOCATION	L0000527	VOLUME	460040.437	3772800.173	383.15
LOCATION	L0000528	VOLUME	460042.436	3772800.230	383.16
LOCATION	L0000529	VOLUME	460044.435	3772800.286	383.16
LOCATION	L0000530	VOLUME	460046.435	3772800.343	383.17
LOCATION	L0000531	VOLUME	460048.434	3772800.399	383.17
LOCATION	L0000532	VOLUME	460050.433	3772800.456	383.17
LOCATION	L0000533	VOLUME	460052.432	3772800.512	383.18
LOCATION	L0000534	VOLUME	460054.431	3772800.569	383.18
LOCATION	L0000535	VOLUME	460056.431	3772800.626	383.19
LOCATION	L0000536	VOLUME	460058.430	3772800.682	383.19
LOCATION	L0000537	VOLUME	460060.429	3772800.739	383.20
LOCATION	L0000538	VOLUME	460062.428	3772800.795	383.20
LOCATION	L0000539	VOLUME	460064.427	3772800.852	383.21
LOCATION	L0000540	VOLUME	460066.427	3772800.908	383.21
LOCATION	L0000541	VOLUME	460068.426	3772800.965	383.20
LOCATION	L0000542	VOLUME	460070.425	3772801.021	383.19
LOCATION	L0000543	VOLUME	460072.424	3772801.078	383.18
LOCATION	L0000544	VOLUME	460074.423	3772801.135	383.17
LOCATION	L0000545	VOLUME	460076.423	3772801.191	383.16
LOCATION	L0000546	VOLUME	460078.422	3772801.248	383.15
LOCATION	L0000547	VOLUME	460080.421	3772801.304	383.14
LOCATION	L0000548	VOLUME	460082.420	3772801.361	383.13
LOCATION	L0000549	VOLUME	460084.419	3772801.417	383.12
LOCATION	L0000550	VOLUME	460086.419	3772801.474	383.11
LOCATION	L0000551	VOLUME	460088.418	3772801.531	383.10
LOCATION	L0000552	VOLUME	460090.417	3772801.587	383.09
LOCATION	L0000553	VOLUME	460092.416	3772801.644	383.09
LOCATION	L0000554	VOLUME	460094.415	3772801.700	383.09
LOCATION	L0000555	VOLUME	460096.415	3772801.757	383.10
LOCATION	L0000556	VOLUME	460098.414	3772801.813	383.10
LOCATION	L0000557	VOLUME	460100.413	3772801.870	383.10
LOCATION	L0000558	VOLUME	460102.412	3772801.926	383.11
LOCATION	L0000559	VOLUME	460104.411	3772801.983	383.11
LOCATION	L0000560	VOLUME	460106.411	3772802.040	383.11
LOCATION	L0000561	VOLUME	460108.410	3772802.096	383.12
LOCATION	L0000562	VOLUME	460110.409	3772802.153	383.12
LOCATION	L0000563	VOLUME	460112.408	3772802.209	383.12
LOCATION	L0000564	VOLUME	460114.407	3772802.266	383.13
LOCATION	L0000565	VOLUME	460116.407	3772802.322	383.13
LOCATION	L0000566	VOLUME	460118.406	3772802.379	383.14
LOCATION	L0000567	VOLUME	460120.405	3772802.435	383.15
LOCATION	L0000568	VOLUME	460122.404	3772802.492	383.16
LOCATION	L0000569	VOLUME	460124.403	3772802.549	383.16
LOCATION	L0000570	VOLUME	460126.403	3772802.605	383.17
LOCATION	L0000571	VOLUME	460128.402	3772802.662	383.18
LOCATION	L0000572	VOLUME	460130.401	3772802.718	383.19
LOCATION	L0000573	VOLUME	460132.400	3772802.775	383.20
LOCATION	L0000574	VOLUME	460134.399	3772802.831	383.21

LOCATION	L0000575	VOLUME	460136.399	3772802.888	383.22
LOCATION	L0000576	VOLUME	460138.398	3772802.945	383.23
LOCATION	L0000577	VOLUME	460140.397	3772803.001	383.23
LOCATION	L0000578	VOLUME	460142.396	3772803.058	383.24
LOCATION	L0000579	VOLUME	460144.395	3772803.114	383.25
LOCATION	L0000580	VOLUME	460146.395	3772803.171	383.25
LOCATION	L0000581	VOLUME	460148.394	3772803.227	383.25
LOCATION	L0000582	VOLUME	460150.393	3772803.284	383.25
LOCATION	L0000583	VOLUME	460152.392	3772803.340	383.25
LOCATION	L0000584	VOLUME	460154.391	3772803.397	383.25
LOCATION	L0000585	VOLUME	460156.391	3772803.454	383.26
LOCATION	L0000586	VOLUME	460158.390	3772803.510	383.26
LOCATION	L0000587	VOLUME	460160.389	3772803.567	383.26
LOCATION	L0000588	VOLUME	460162.388	3772803.623	383.26
LOCATION	L0000589	VOLUME	460164.387	3772803.680	383.26
LOCATION	L0000590	VOLUME	460166.387	3772803.736	383.26
LOCATION	L0000591	VOLUME	460168.386	3772803.793	383.27
LOCATION	L0000592	VOLUME	460170.385	3772803.849	383.27
LOCATION	L0000593	VOLUME	460172.384	3772803.906	383.27
LOCATION	L0000594	VOLUME	460174.383	3772803.963	383.28
LOCATION	L0000595	VOLUME	460176.383	3772804.019	383.28
LOCATION	L0000596	VOLUME	460178.382	3772804.076	383.29
LOCATION	L0000597	VOLUME	460180.381	3772804.132	383.29
LOCATION	L0000598	VOLUME	460182.380	3772804.189	383.30
LOCATION	L0000599	VOLUME	460184.379	3772804.245	383.30
LOCATION	L0000600	VOLUME	460186.379	3772804.302	383.30
LOCATION	L0000601	VOLUME	460188.378	3772804.359	383.31
LOCATION	L0000602	VOLUME	460190.377	3772804.415	383.31
LOCATION	L0000603	VOLUME	460192.376	3772804.472	383.32
LOCATION	L0000604	VOLUME	460194.375	3772804.528	383.32
LOCATION	L0000605	VOLUME	460196.375	3772804.585	383.31
LOCATION	L0000606	VOLUME	460198.374	3772804.641	383.31
LOCATION	L0000607	VOLUME	460200.373	3772804.698	383.30
LOCATION	L0000608	VOLUME	460202.372	3772804.754	383.30
LOCATION	L0000609	VOLUME	460204.371	3772804.811	383.29
LOCATION	L0000610	VOLUME	460206.371	3772804.868	383.29
LOCATION	L0000611	VOLUME	460208.370	3772804.924	383.28
LOCATION	L0000612	VOLUME	460210.369	3772804.981	383.28
LOCATION	L0000613	VOLUME	460212.368	3772805.037	383.27
LOCATION	L0000614	VOLUME	460214.367	3772805.094	383.27
LOCATION	L0000615	VOLUME	460216.367	3772805.150	383.26
LOCATION	L0000616	VOLUME	460218.366	3772805.207	383.26
LOCATION	L0000617	VOLUME	460220.365	3772805.264	383.25
LOCATION	L0000618	VOLUME	460222.364	3772805.320	383.25
LOCATION	L0000619	VOLUME	460224.363	3772805.377	383.25
LOCATION	L0000620	VOLUME	460226.363	3772805.433	383.25
LOCATION	L0000621	VOLUME	460228.362	3772805.490	383.25
LOCATION	L0000622	VOLUME	460230.361	3772805.546	383.25

LOCATION	L0000623	VOLUME	460232.360	3772805.603	383.25
LOCATION	L0000624	VOLUME	460234.359	3772805.659	383.25
LOCATION	L0000625	VOLUME	460236.359	3772805.716	383.25
LOCATION	L0000626	VOLUME	460238.358	3772805.773	383.25
LOCATION	L0000627	VOLUME	460240.357	3772805.829	383.24
LOCATION	L0000628	VOLUME	460242.356	3772805.886	383.24
LOCATION	L0000629	VOLUME	460244.355	3772805.942	383.24
LOCATION	L0000630	VOLUME	460246.355	3772805.999	383.24
LOCATION	L0000631	VOLUME	460248.354	3772806.055	383.24
LOCATION	L0000632	VOLUME	460250.353	3772806.112	383.23
LOCATION	L0000633	VOLUME	460252.352	3772806.168	383.23
LOCATION	L0000634	VOLUME	460254.351	3772806.225	383.22
LOCATION	L0000635	VOLUME	460256.351	3772806.282	383.22
LOCATION	L0000636	VOLUME	460258.350	3772806.338	383.22
LOCATION	L0000637	VOLUME	460260.349	3772806.395	383.21
LOCATION	L0000638	VOLUME	460262.348	3772806.451	383.21
LOCATION	L0000639	VOLUME	460264.347	3772806.508	383.20
LOCATION	L0000640	VOLUME	460266.347	3772806.564	383.20
LOCATION	L0000641	VOLUME	460268.346	3772806.621	383.20
LOCATION	L0000642	VOLUME	460270.345	3772806.678	383.19
LOCATION	L0000643	VOLUME	460272.344	3772806.734	383.20
LOCATION	L0000644	VOLUME	460274.343	3772806.791	383.20
LOCATION	L0000645	VOLUME	460276.343	3772806.847	383.20
LOCATION	L0000646	VOLUME	460278.342	3772806.904	383.21
LOCATION	L0000647	VOLUME	460280.341	3772806.960	383.21
LOCATION	L0000648	VOLUME	460282.340	3772807.017	383.22
LOCATION	L0000649	VOLUME	460284.339	3772807.073	383.22
LOCATION	L0000650	VOLUME	460286.339	3772807.130	383.23
LOCATION	L0000651	VOLUME	460288.338	3772807.187	383.23
LOCATION	L0000652	VOLUME	460290.337	3772807.243	383.24
LOCATION	L0000653	VOLUME	460292.336	3772807.300	383.24
LOCATION	L0000654	VOLUME	460294.335	3772807.356	383.25
LOCATION	L0000655	VOLUME	460296.335	3772807.413	383.25
LOCATION	L0000656	VOLUME	460298.334	3772807.469	383.25
LOCATION	L0000657	VOLUME	460300.333	3772807.526	383.24
LOCATION	L0000658	VOLUME	460302.332	3772807.583	383.24
LOCATION	L0000659	VOLUME	460304.331	3772807.639	383.23
LOCATION	L0000660	VOLUME	460306.331	3772807.696	383.22
LOCATION	L0000661	VOLUME	460308.330	3772807.752	383.22
LOCATION	L0000662	VOLUME	460310.329	3772807.809	383.21
LOCATION	L0000663	VOLUME	460312.328	3772807.865	383.21
LOCATION	L0000664	VOLUME	460314.327	3772807.922	383.20
LOCATION	L0000665	VOLUME	460316.327	3772807.978	383.20
LOCATION	L0000666	VOLUME	460318.326	3772808.035	383.19
LOCATION	L0000667	VOLUME	460320.325	3772808.092	383.18
LOCATION	L0000668	VOLUME	460322.324	3772808.148	383.18
LOCATION	L0000669	VOLUME	460324.323	3772808.205	383.17
LOCATION	L0000670	VOLUME	460326.323	3772808.261	383.16

LOCATION	L0000671	VOLUME	460328.322	3772808.318	383.15
LOCATION	L0000672	VOLUME	460330.321	3772808.374	383.14
LOCATION	L0000673	VOLUME	460332.320	3772808.431	383.13
LOCATION	L0000674	VOLUME	460334.319	3772808.487	383.12
LOCATION	L0000675	VOLUME	460336.319	3772808.544	383.11
LOCATION	L0000676	VOLUME	460338.318	3772808.601	383.10
LOCATION	L0000677	VOLUME	460340.317	3772808.657	383.09
LOCATION	L0000678	VOLUME	460342.316	3772808.714	383.08
LOCATION	L0000679	VOLUME	460344.315	3772808.770	383.07
LOCATION	L0000680	VOLUME	460346.315	3772808.827	383.06
LOCATION	L0000681	VOLUME	460348.314	3772808.883	383.05
LOCATION	L0000682	VOLUME	460350.313	3772808.940	383.01
LOCATION	L0000683	VOLUME	460352.312	3772808.997	382.98
LOCATION	L0000684	VOLUME	460354.311	3772809.053	382.95
LOCATION	L0000685	VOLUME	460356.311	3772809.110	382.92
LOCATION	L0000686	VOLUME	460358.310	3772809.166	382.89
LOCATION	L0000687	VOLUME	460360.309	3772809.223	382.86
LOCATION	L0000688	VOLUME	460362.308	3772809.279	382.82
LOCATION	L0000689	VOLUME	460364.307	3772809.336	382.79
LOCATION	L0000690	VOLUME	460366.307	3772809.392	382.76
LOCATION	L0000691	VOLUME	460368.306	3772809.449	382.73
LOCATION	L0000692	VOLUME	460370.305	3772809.506	382.70
LOCATION	L0000693	VOLUME	460372.304	3772809.562	382.66
LOCATION	L0000694	VOLUME	460374.303	3772809.619	382.63
LOCATION	L0000695	VOLUME	460376.303	3772809.675	382.60
LOCATION	L0000696	VOLUME	460378.302	3772809.732	382.57
LOCATION	L0000697	VOLUME	460380.301	3772809.788	382.53
LOCATION	L0000698	VOLUME	460382.300	3772809.845	382.50
LOCATION	L0000699	VOLUME	460384.299	3772809.901	382.47
LOCATION	L0000700	VOLUME	460386.299	3772809.958	382.44
LOCATION	L0000701	VOLUME	460388.298	3772810.015	382.41
LOCATION	L0000702	VOLUME	460390.297	3772810.071	382.37
LOCATION	L0000703	VOLUME	460392.296	3772810.128	382.34
LOCATION	L0000704	VOLUME	460394.295	3772810.184	382.31
LOCATION	L0000705	VOLUME	460396.295	3772810.241	382.27
LOCATION	L0000706	VOLUME	460398.294	3772810.297	382.24
LOCATION	L0000707	VOLUME	460400.293	3772810.354	382.22
LOCATION	L0000708	VOLUME	460402.292	3772810.411	382.21
LOCATION	L0000709	VOLUME	460404.291	3772810.467	382.20
LOCATION	L0000710	VOLUME	460406.291	3772810.524	382.19
LOCATION	L0000711	VOLUME	460408.290	3772810.580	382.17
LOCATION	L0000712	VOLUME	460410.289	3772810.637	382.16
LOCATION	L0000713	VOLUME	460412.288	3772810.693	382.15
LOCATION	L0000714	VOLUME	460414.287	3772810.750	382.14
LOCATION	L0000715	VOLUME	460416.287	3772810.806	382.12
LOCATION	L0000716	VOLUME	460418.286	3772810.863	382.11
LOCATION	L0000717	VOLUME	460420.285	3772810.920	382.10
LOCATION	L0000718	VOLUME	460422.284	3772810.976	382.09

LOCATION	L0000719	VOLUME	460424.283	3772811.033	382.07
LOCATION	L0000720	VOLUME	460426.283	3772811.089	382.07
LOCATION	L0000721	VOLUME	460428.282	3772811.146	382.07
LOCATION	L0000722	VOLUME	460430.281	3772811.202	382.07
LOCATION	L0000723	VOLUME	460432.280	3772811.259	382.07
LOCATION	L0000724	VOLUME	460434.279	3772811.316	382.07
LOCATION	L0000725	VOLUME	460436.279	3772811.372	382.07
LOCATION	L0000726	VOLUME	460438.278	3772811.429	382.07
LOCATION	L0000727	VOLUME	460440.277	3772811.485	382.07
LOCATION	L0000728	VOLUME	460442.276	3772811.542	382.07
LOCATION	L0000729	VOLUME	460444.275	3772811.598	382.07
LOCATION	L0000730	VOLUME	460446.275	3772811.655	382.07
LOCATION	L0000731	VOLUME	460448.274	3772811.711	382.07
LOCATION	L0000732	VOLUME	460450.273	3772811.768	382.08
LOCATION	L0000733	VOLUME	460452.272	3772811.825	382.08
LOCATION	L0000734	VOLUME	460454.271	3772811.881	382.09
LOCATION	L0000735	VOLUME	460456.271	3772811.938	382.09
LOCATION	L0000736	VOLUME	460458.270	3772811.994	382.10
LOCATION	L0000737	VOLUME	460460.269	3772812.051	382.10
LOCATION	L0000738	VOLUME	460462.268	3772812.107	382.11
LOCATION	L0000739	VOLUME	460464.267	3772812.164	382.12
LOCATION	L0000740	VOLUME	460466.267	3772812.220	382.12
LOCATION	L0000741	VOLUME	460468.266	3772812.277	382.13
LOCATION	L0000742	VOLUME	460470.265	3772812.334	382.13
LOCATION	L0000743	VOLUME	460472.264	3772812.390	382.14
LOCATION	L0000744	VOLUME	460474.263	3772812.447	382.14
LOCATION	L0000745	VOLUME	460476.263	3772812.503	382.15
LOCATION	L0000746	VOLUME	460478.262	3772812.560	382.16
LOCATION	L0000747	VOLUME	460480.261	3772812.616	382.17
LOCATION	L0000748	VOLUME	460482.260	3772812.673	382.18
LOCATION	L0000749	VOLUME	460484.259	3772812.730	382.19
LOCATION	L0000750	VOLUME	460486.259	3772812.786	382.20
LOCATION	L0000751	VOLUME	460488.258	3772812.843	382.21
LOCATION	L0000752	VOLUME	460490.257	3772812.899	382.22
LOCATION	L0000753	VOLUME	460492.256	3772812.956	382.23
LOCATION	L0000754	VOLUME	460494.255	3772813.012	382.24
LOCATION	L0000755	VOLUME	460496.255	3772813.069	382.25
LOCATION	L0000756	VOLUME	460498.254	3772813.125	382.26
LOCATION	L0000757	VOLUME	460500.253	3772813.182	382.27
LOCATION	L0000758	VOLUME	460502.252	3772813.239	382.28
LOCATION	L0000759	VOLUME	460504.251	3772813.295	382.28
LOCATION	L0000760	VOLUME	460506.251	3772813.352	382.28
LOCATION	L0000761	VOLUME	460508.250	3772813.408	382.29
LOCATION	L0000762	VOLUME	460510.249	3772813.465	382.29
LOCATION	L0000763	VOLUME	460512.248	3772813.521	382.29
LOCATION	L0000764	VOLUME	460514.247	3772813.578	382.30
LOCATION	L0000765	VOLUME	460516.247	3772813.634	382.30
LOCATION	L0000766	VOLUME	460518.246	3772813.691	382.30

LOCATION	L0000767	VOLUME	460520.245	3772813.748	382.31
LOCATION	L0000768	VOLUME	460522.244	3772813.804	382.31
LOCATION	L0000769	VOLUME	460524.243	3772813.861	382.31
LOCATION	L0000770	VOLUME	460526.243	3772813.917	382.32
LOCATION	L0000771	VOLUME	460528.242	3772813.974	382.32
LOCATION	L0000772	VOLUME	460530.241	3772814.030	382.32
LOCATION	L0000773	VOLUME	460532.240	3772814.087	382.31
LOCATION	L0000774	VOLUME	460534.239	3772814.144	382.31
LOCATION	L0000775	VOLUME	460536.239	3772814.200	382.31
LOCATION	L0000776	VOLUME	460538.238	3772814.257	382.31
LOCATION	L0000777	VOLUME	460540.237	3772814.313	382.30
LOCATION	L0000778	VOLUME	460542.236	3772814.370	382.30
LOCATION	L0000779	VOLUME	460544.235	3772814.426	382.30
LOCATION	L0000780	VOLUME	460546.235	3772814.483	382.30
LOCATION	L0000781	VOLUME	460548.234	3772814.539	382.29
LOCATION	L0000782	VOLUME	460550.233	3772814.596	382.29
LOCATION	L0000783	VOLUME	460552.232	3772814.653	382.29
LOCATION	L0000784	VOLUME	460554.231	3772814.709	382.29
LOCATION	L0000785	VOLUME	460556.231	3772814.766	382.30
LOCATION	L0000786	VOLUME	460558.230	3772814.822	382.30
LOCATION	L0000787	VOLUME	460560.229	3772814.879	382.30
LOCATION	L0000788	VOLUME	460562.228	3772814.935	382.31
LOCATION	L0000789	VOLUME	460564.227	3772814.992	382.31
LOCATION	L0000790	VOLUME	460566.227	3772815.049	382.31
LOCATION	L0000791	VOLUME	460568.226	3772815.105	382.32
LOCATION	L0000792	VOLUME	460570.225	3772815.162	382.32
LOCATION	L0000793	VOLUME	460572.224	3772815.218	382.33
LOCATION	L0000794	VOLUME	460574.223	3772815.275	382.33
LOCATION	L0000795	VOLUME	460576.223	3772815.331	382.33
LOCATION	L0000796	VOLUME	460578.222	3772815.388	382.34
LOCATION	L0000797	VOLUME	460580.221	3772815.444	382.34
LOCATION	L0000798	VOLUME	460582.220	3772815.501	382.34
LOCATION	L0000799	VOLUME	460584.219	3772815.558	382.34
LOCATION	L0000800	VOLUME	460586.219	3772815.614	382.34
LOCATION	L0000801	VOLUME	460588.218	3772815.671	382.34
LOCATION	L0000802	VOLUME	460590.217	3772815.727	382.34
LOCATION	L0000803	VOLUME	460592.216	3772815.784	382.35
LOCATION	L0000804	VOLUME	460594.215	3772815.840	382.35
LOCATION	L0000805	VOLUME	460596.215	3772815.897	382.35
LOCATION	L0000806	VOLUME	460598.214	3772815.953	382.35
LOCATION	L0000807	VOLUME	460600.213	3772816.010	382.35
LOCATION	L0000808	VOLUME	460602.212	3772816.067	382.35
LOCATION	L0000809	VOLUME	460604.211	3772816.123	382.35
LOCATION	L0000810	VOLUME	460606.211	3772816.180	382.34
LOCATION	L0000811	VOLUME	460608.210	3772816.236	382.32
LOCATION	L0000812	VOLUME	460610.209	3772816.293	382.30
LOCATION	L0000813	VOLUME	460612.208	3772816.349	382.29
LOCATION	L0000814	VOLUME	460614.207	3772816.406	382.27

LOCATION	L0000815	VOLUME	460616.207	3772816.463	382.26
LOCATION	L0000816	VOLUME	460618.206	3772816.519	382.24
LOCATION	L0000817	VOLUME	460620.205	3772816.576	382.23
LOCATION	L0000818	VOLUME	460622.204	3772816.632	382.21
LOCATION	L0000819	VOLUME	460624.203	3772816.689	382.20
LOCATION	L0000820	VOLUME	460626.203	3772816.745	382.18
LOCATION	L0000821	VOLUME	460628.202	3772816.802	382.17
LOCATION	L0000822	VOLUME	460630.201	3772816.858	382.16
LOCATION	L0000823	VOLUME	460632.200	3772816.915	382.15
LOCATION	L0000824	VOLUME	460634.199	3772816.972	382.13
LOCATION	L0000825	VOLUME	460636.199	3772817.028	382.12
LOCATION	L0000826	VOLUME	460638.198	3772817.085	382.11
LOCATION	L0000827	VOLUME	460640.197	3772817.141	382.10
LOCATION	L0000828	VOLUME	460642.196	3772817.198	382.09
LOCATION	L0000829	VOLUME	460644.195	3772817.254	382.08
LOCATION	L0000830	VOLUME	460646.195	3772817.311	382.07
LOCATION	L0000831	VOLUME	460648.194	3772817.367	382.06
LOCATION	L0000832	VOLUME	460650.193	3772817.424	382.05
LOCATION	L0000833	VOLUME	460652.192	3772817.481	382.04
LOCATION	L0000834	VOLUME	460654.191	3772817.537	382.03
LOCATION	L0000835	VOLUME	460656.191	3772817.594	382.03
LOCATION	L0000836	VOLUME	460658.190	3772817.650	382.02
LOCATION	L0000837	VOLUME	460660.189	3772817.707	382.02
LOCATION	L0000838	VOLUME	460662.188	3772817.763	382.02
LOCATION	L0000839	VOLUME	460664.187	3772817.820	382.01
LOCATION	L0000840	VOLUME	460666.187	3772817.877	382.01
LOCATION	L0000841	VOLUME	460668.186	3772817.933	382.00
LOCATION	L0000842	VOLUME	460670.185	3772817.990	382.00
LOCATION	L0000843	VOLUME	460672.184	3772818.046	381.99
LOCATION	L0000844	VOLUME	460674.183	3772818.103	381.99
LOCATION	L0000845	VOLUME	460676.183	3772818.159	381.98
LOCATION	L0000846	VOLUME	460678.182	3772818.216	381.98
LOCATION	L0000847	VOLUME	460680.181	3772818.272	381.97
LOCATION	L0000848	VOLUME	460682.180	3772818.329	381.97
LOCATION	L0000849	VOLUME	460684.179	3772818.386	381.96
LOCATION	L0000850	VOLUME	460686.179	3772818.442	381.96
LOCATION	L0000851	VOLUME	460688.178	3772818.499	381.96
LOCATION	L0000852	VOLUME	460690.177	3772818.555	381.95
LOCATION	L0000853	VOLUME	460692.176	3772818.612	381.95
LOCATION	L0000854	VOLUME	460694.175	3772818.668	381.95
LOCATION	L0000855	VOLUME	460696.175	3772818.725	381.94
LOCATION	L0000856	VOLUME	460698.174	3772818.782	381.94
LOCATION	L0000857	VOLUME	460700.173	3772818.838	381.94
LOCATION	L0000858	VOLUME	460702.172	3772818.895	381.93
LOCATION	L0000859	VOLUME	460704.171	3772818.951	381.93
LOCATION	L0000860	VOLUME	460706.171	3772819.008	381.92
LOCATION	L0000861	VOLUME	460708.170	3772819.064	381.92
LOCATION	L0000862	VOLUME	460710.169	3772819.121	381.93

LOCATION	L0000863	VOLUME	460712.168	3772819.177	381.93
LOCATION	L0000864	VOLUME	460714.167	3772819.234	381.93
LOCATION	L0000865	VOLUME	460716.167	3772819.291	381.93
LOCATION	L0000866	VOLUME	460718.166	3772819.347	381.93
LOCATION	L0000867	VOLUME	460720.165	3772819.404	381.93
LOCATION	L0000868	VOLUME	460722.164	3772819.460	381.93
LOCATION	L0000869	VOLUME	460724.163	3772819.517	381.93
LOCATION	L0000870	VOLUME	460726.163	3772819.573	381.93
LOCATION	L0000871	VOLUME	460728.162	3772819.630	381.93
LOCATION	L0000872	VOLUME	460730.161	3772819.686	381.93
LOCATION	L0000873	VOLUME	460732.160	3772819.743	381.93
LOCATION	L0000874	VOLUME	460734.159	3772819.800	381.93
LOCATION	L0000875	VOLUME	460736.159	3772819.856	381.93
LOCATION	L0000876	VOLUME	460738.158	3772819.913	381.93
LOCATION	L0000877	VOLUME	460740.157	3772819.969	381.93
LOCATION	L0000878	VOLUME	460742.156	3772820.026	381.93
LOCATION	L0000879	VOLUME	460744.155	3772820.082	381.93
LOCATION	L0000880	VOLUME	460746.155	3772820.139	381.93
LOCATION	L0000881	VOLUME	460748.154	3772820.196	381.93
LOCATION	L0000882	VOLUME	460750.153	3772820.252	381.93
LOCATION	L0000883	VOLUME	460752.152	3772820.309	381.93
LOCATION	L0000884	VOLUME	460754.151	3772820.365	381.93
LOCATION	L0000885	VOLUME	460756.151	3772820.422	381.93
LOCATION	L0000886	VOLUME	460758.150	3772820.478	381.93
LOCATION	L0000887	VOLUME	460760.149	3772820.535	381.93
LOCATION	L0000888	VOLUME	460762.148	3772820.591	381.94
LOCATION	L0000889	VOLUME	460764.147	3772820.648	381.94
LOCATION	L0000890	VOLUME	460766.147	3772820.705	381.95
LOCATION	L0000891	VOLUME	460768.146	3772820.761	381.95
LOCATION	L0000892	VOLUME	460770.145	3772820.818	381.96
LOCATION	L0000893	VOLUME	460772.144	3772820.874	381.96
LOCATION	L0000894	VOLUME	460774.143	3772820.931	381.97
LOCATION	L0000895	VOLUME	460776.143	3772820.987	381.97
LOCATION	L0000896	VOLUME	460778.142	3772821.044	381.98
LOCATION	L0000897	VOLUME	460780.141	3772821.101	381.98
LOCATION	L0000898	VOLUME	460782.140	3772821.157	381.99
LOCATION	L0000899	VOLUME	460784.139	3772821.214	381.99
LOCATION	L0000900	VOLUME	460786.139	3772821.270	382.00
LOCATION	L0000901	VOLUME	460788.138	3772821.327	382.00
LOCATION	L0000902	VOLUME	460790.137	3772821.383	382.01
LOCATION	L0000903	VOLUME	460792.136	3772821.440	382.01
LOCATION	L0000904	VOLUME	460794.135	3772821.496	382.02
LOCATION	L0000905	VOLUME	460796.135	3772821.553	382.02
LOCATION	L0000906	VOLUME	460798.134	3772821.610	382.03
LOCATION	L0000907	VOLUME	460800.133	3772821.666	382.03
LOCATION	L0000908	VOLUME	460802.132	3772821.723	382.04
LOCATION	L0000909	VOLUME	460804.131	3772821.779	382.04
LOCATION	L0000910	VOLUME	460806.131	3772821.836	382.05

LOCATION	L0000911	VOLUME	460808.130	3772821.892	382.06
LOCATION	L0000912	VOLUME	460810.129	3772821.949	382.06
LOCATION	L0000913	VOLUME	460812.128	3772822.005	382.06
LOCATION	L0000914	VOLUME	460814.127	3772822.062	382.06
LOCATION	L0000915	VOLUME	460816.127	3772822.119	382.06
LOCATION	L0000916	VOLUME	460818.126	3772822.175	382.06
LOCATION	L0000917	VOLUME	460820.125	3772822.232	382.06
LOCATION	L0000918	VOLUME	460822.124	3772822.288	382.06
LOCATION	L0000919	VOLUME	460824.123	3772822.345	382.06
LOCATION	L0000920	VOLUME	460826.123	3772822.401	382.06
LOCATION	L0000921	VOLUME	460828.122	3772822.458	382.06
LOCATION	L0000922	VOLUME	460830.121	3772822.515	382.06
LOCATION	L0000923	VOLUME	460832.120	3772822.571	382.06
LOCATION	L0000924	VOLUME	460834.119	3772822.628	382.06
LOCATION	L0000925	VOLUME	460836.119	3772822.684	382.06
LOCATION	L0000926	VOLUME	460838.118	3772822.741	382.07
LOCATION	L0000927	VOLUME	460840.117	3772822.797	382.07
LOCATION	L0000928	VOLUME	460842.116	3772822.854	382.07
LOCATION	L0000929	VOLUME	460844.115	3772822.910	382.07
LOCATION	L0000930	VOLUME	460846.115	3772822.967	382.07
LOCATION	L0000931	VOLUME	460848.114	3772823.024	382.07
LOCATION	L0000932	VOLUME	460850.113	3772823.080	382.08
LOCATION	L0000933	VOLUME	460852.112	3772823.137	382.08
LOCATION	L0000934	VOLUME	460854.111	3772823.193	382.08
LOCATION	L0000935	VOLUME	460856.111	3772823.250	382.08
LOCATION	L0000936	VOLUME	460858.110	3772823.306	382.08
LOCATION	L0000937	VOLUME	460860.109	3772823.363	382.09
LOCATION	L0000938	VOLUME	460862.108	3772823.419	382.09
LOCATION	L0000939	VOLUME	460864.107	3772823.476	382.09
LOCATION	L0000940	VOLUME	460866.107	3772823.533	382.09
LOCATION	L0000941	VOLUME	460868.106	3772823.589	382.09
LOCATION	L0000942	VOLUME	460870.105	3772823.646	382.09
LOCATION	L0000943	VOLUME	460872.104	3772823.702	382.09
LOCATION	L0000944	VOLUME	460874.103	3772823.759	382.09
LOCATION	L0000945	VOLUME	460876.103	3772823.815	382.09
LOCATION	L0000946	VOLUME	460878.102	3772823.872	382.10
LOCATION	L0000947	VOLUME	460880.101	3772823.929	382.10
LOCATION	L0000948	VOLUME	460882.100	3772823.985	382.10
LOCATION	L0000949	VOLUME	460884.099	3772824.042	382.10
LOCATION	L0000950	VOLUME	460886.099	3772824.098	382.10
LOCATION	L0000951	VOLUME	460888.098	3772824.155	382.10
LOCATION	L0000952	VOLUME	460890.097	3772824.211	382.10
LOCATION	L0000953	VOLUME	460892.096	3772824.268	382.10
LOCATION	L0000954	VOLUME	460894.095	3772824.324	382.10
LOCATION	L0000955	VOLUME	460896.095	3772824.381	382.10
LOCATION	L0000956	VOLUME	460898.094	3772824.438	382.10
LOCATION	L0000957	VOLUME	460900.093	3772824.494	382.10
LOCATION	L0000958	VOLUME	460902.092	3772824.551	382.10

LOCATION	L0000959	VOLUME	460904.091	3772824.607	382.10
LOCATION	L0000960	VOLUME	460906.091	3772824.664	382.10
LOCATION	L0000961	VOLUME	460908.090	3772824.720	382.10
LOCATION	L0000962	VOLUME	460910.089	3772824.777	382.10
LOCATION	L0000963	VOLUME	460912.088	3772824.834	382.10
LOCATION	L0000964	VOLUME	460914.087	3772824.890	382.10
LOCATION	L0000965	VOLUME	460916.087	3772824.947	382.09
LOCATION	L0000966	VOLUME	460918.086	3772825.003	382.09
LOCATION	L0000967	VOLUME	460920.085	3772825.060	382.09
LOCATION	L0000968	VOLUME	460922.084	3772825.116	382.08
LOCATION	L0000969	VOLUME	460924.083	3772825.173	382.08
LOCATION	L0000970	VOLUME	460926.083	3772825.229	382.08
LOCATION	L0000971	VOLUME	460928.082	3772825.286	382.07
LOCATION	L0000972	VOLUME	460930.081	3772825.343	382.07
LOCATION	L0000973	VOLUME	460932.080	3772825.399	382.07
LOCATION	L0000974	VOLUME	460934.079	3772825.456	382.06
LOCATION	L0000975	VOLUME	460936.079	3772825.512	382.06
LOCATION	L0000976	VOLUME	460938.078	3772825.569	382.06
LOCATION	L0000977	VOLUME	460940.077	3772825.625	382.06
LOCATION	L0000978	VOLUME	460942.076	3772825.682	382.06
LOCATION	L0000979	VOLUME	460944.075	3772825.738	382.06
LOCATION	L0000980	VOLUME	460946.075	3772825.795	382.06
LOCATION	L0000981	VOLUME	460948.074	3772825.852	382.05
LOCATION	L0000982	VOLUME	460950.073	3772825.908	382.05
LOCATION	L0000983	VOLUME	460952.072	3772825.965	382.05
LOCATION	L0000984	VOLUME	460954.071	3772826.021	382.05
LOCATION	L0000985	VOLUME	460956.071	3772826.078	382.05
LOCATION	L0000986	VOLUME	460958.070	3772826.134	382.05
LOCATION	L0000987	VOLUME	460960.069	3772826.191	382.05
LOCATION	L0000988	VOLUME	460962.068	3772826.248	382.05
LOCATION	L0000989	VOLUME	460964.067	3772826.304	382.05
LOCATION	L0000990	VOLUME	460966.067	3772826.361	382.05
LOCATION	L0000991	VOLUME	460968.066	3772826.417	382.05
LOCATION	L0000992	VOLUME	460970.065	3772826.474	382.05
LOCATION	L0000993	VOLUME	460972.064	3772826.530	382.05
LOCATION	L0000994	VOLUME	460974.063	3772826.587	382.06
LOCATION	L0000995	VOLUME	460976.063	3772826.643	382.06
LOCATION	L0000996	VOLUME	460978.062	3772826.700	382.06
LOCATION	L0000997	VOLUME	460980.061	3772826.757	382.06
LOCATION	L0000998	VOLUME	460982.060	3772826.813	382.06
LOCATION	L0000999	VOLUME	460984.059	3772826.870	382.06
LOCATION	L0001000	VOLUME	460986.059	3772826.926	382.06
LOCATION	L0001001	VOLUME	460988.058	3772826.983	382.07
LOCATION	L0001002	VOLUME	460990.057	3772827.039	382.08
LOCATION	L0001003	VOLUME	460992.056	3772827.096	382.09
LOCATION	L0001004	VOLUME	460994.055	3772827.152	382.10
LOCATION	L0001005	VOLUME	460996.055	3772827.209	382.11
LOCATION	L0001006	VOLUME	460998.054	3772827.266	382.12

LOCATION	L0001007	VOLUME	461000.053	3772827.322	382.13
LOCATION	L0001008	VOLUME	461002.052	3772827.379	382.14
LOCATION	L0001009	VOLUME	461004.051	3772827.435	382.15
LOCATION	L0001010	VOLUME	461006.051	3772827.492	382.17
LOCATION	L0001011	VOLUME	461008.050	3772827.548	382.18
LOCATION	L0001012	VOLUME	461010.049	3772827.605	382.19
LOCATION	L0001013	VOLUME	461012.048	3772827.662	382.20
LOCATION	L0001014	VOLUME	461014.047	3772827.718	382.21
LOCATION	L0001015	VOLUME	461016.047	3772827.775	382.22
LOCATION	L0001016	VOLUME	461018.046	3772827.831	382.23
LOCATION	L0001017	VOLUME	461020.045	3772827.888	382.24
LOCATION	L0001018	VOLUME	461022.044	3772827.944	382.25
LOCATION	L0001019	VOLUME	461024.043	3772828.001	382.26
LOCATION	L0001020	VOLUME	461026.043	3772828.057	382.27
LOCATION	L0001021	VOLUME	461028.042	3772828.114	382.28
LOCATION	L0001022	VOLUME	461030.041	3772828.171	382.29
LOCATION	L0001023	VOLUME	461032.040	3772828.227	382.30
LOCATION	L0001024	VOLUME	461034.039	3772828.284	382.31
LOCATION	L0001025	VOLUME	461036.039	3772828.340	382.32
LOCATION	L0001026	VOLUME	461038.038	3772828.397	382.33
LOCATION	L0001027	VOLUME	461040.037	3772828.453	382.34
LOCATION	L0001028	VOLUME	461042.036	3772828.510	382.34
LOCATION	L0001029	VOLUME	461044.035	3772828.567	382.35
LOCATION	L0001030	VOLUME	461046.035	3772828.623	382.35
LOCATION	L0001031	VOLUME	461048.034	3772828.680	382.35
LOCATION	L0001032	VOLUME	461050.033	3772828.736	382.35
LOCATION	L0001033	VOLUME	461052.032	3772828.793	382.35
LOCATION	L0001034	VOLUME	461054.031	3772828.849	382.36
LOCATION	L0001035	VOLUME	461056.031	3772828.906	382.36
LOCATION	L0001036	VOLUME	461058.030	3772828.962	382.36
LOCATION	L0001037	VOLUME	461060.029	3772829.019	382.36
LOCATION	L0001038	VOLUME	461062.028	3772829.076	382.37
LOCATION	L0001039	VOLUME	461064.027	3772829.132	382.37
LOCATION	L0001040	VOLUME	461066.027	3772829.189	382.37
LOCATION	L0001041	VOLUME	461068.026	3772829.245	382.37
LOCATION	L0001042	VOLUME	461070.025	3772829.302	382.38
LOCATION	L0001043	VOLUME	461072.024	3772829.358	382.38
LOCATION	L0001044	VOLUME	461074.023	3772829.415	382.38
LOCATION	L0001045	VOLUME	461076.023	3772829.471	382.38
LOCATION	L0001046	VOLUME	461078.022	3772829.528	382.38
LOCATION	L0001047	VOLUME	461080.021	3772829.585	382.38
LOCATION	L0001048	VOLUME	461082.020	3772829.641	382.39
LOCATION	L0001049	VOLUME	461084.019	3772829.698	382.39
LOCATION	L0001050	VOLUME	461086.019	3772829.754	382.39
LOCATION	L0001051	VOLUME	461088.018	3772829.811	382.39
LOCATION	L0001052	VOLUME	461090.017	3772829.867	382.39
LOCATION	L0001053	VOLUME	461092.016	3772829.924	382.39
LOCATION	L0001054	VOLUME	461094.015	3772829.981	382.40

LOCATION	L0001055	VOLUME	461096.015	3772830.037	382.40
LOCATION	L0001056	VOLUME	461098.014	3772830.094	382.40
LOCATION	L0001057	VOLUME	461100.013	3772830.150	382.40
LOCATION	L0001058	VOLUME	461102.012	3772830.207	382.40
LOCATION	L0001059	VOLUME	461104.011	3772830.263	382.40
LOCATION	L0001060	VOLUME	461106.011	3772830.320	382.41
LOCATION	L0001061	VOLUME	461108.010	3772830.376	382.41
LOCATION	L0001062	VOLUME	461110.009	3772830.433	382.41
LOCATION	L0001063	VOLUME	461112.008	3772830.490	382.41
LOCATION	L0001064	VOLUME	461114.007	3772830.546	382.41
LOCATION	L0001065	VOLUME	461116.007	3772830.603	382.42
LOCATION	L0001066	VOLUME	461118.006	3772830.659	382.42
LOCATION	L0001067	VOLUME	461120.005	3772830.716	382.42
LOCATION	L0001068	VOLUME	461122.004	3772830.772	382.43
LOCATION	L0001069	VOLUME	461124.003	3772830.829	382.43
LOCATION	L0001070	VOLUME	461126.003	3772830.885	382.43
LOCATION	L0001071	VOLUME	461128.002	3772830.942	382.43
LOCATION	L0001072	VOLUME	461130.001	3772830.999	382.44
LOCATION	L0001073	VOLUME	461132.000	3772831.055	382.44
LOCATION	L0001074	VOLUME	461133.999	3772831.112	382.44
LOCATION	L0001075	VOLUME	461135.999	3772831.168	382.45
LOCATION	L0001076	VOLUME	461137.998	3772831.225	382.45
LOCATION	L0001077	VOLUME	461139.997	3772831.281	382.45
LOCATION	L0001078	VOLUME	461141.996	3772831.338	382.46
LOCATION	L0001079	VOLUME	461143.995	3772831.395	382.46
LOCATION	L0001080	VOLUME	461145.995	3772831.451	382.47
LOCATION	L0001081	VOLUME	461147.994	3772831.508	382.47
LOCATION	L0001082	VOLUME	461149.993	3772831.564	382.47
LOCATION	L0001083	VOLUME	461151.992	3772831.621	382.48
LOCATION	L0001084	VOLUME	461153.991	3772831.677	382.48
LOCATION	L0001085	VOLUME	461155.991	3772831.734	382.48
LOCATION	L0001086	VOLUME	461157.990	3772831.790	382.49
LOCATION	L0001087	VOLUME	461159.989	3772831.847	382.49
LOCATION	L0001088	VOLUME	461161.988	3772831.904	382.50
LOCATION	L0001089	VOLUME	461163.987	3772831.960	382.50
LOCATION	L0001090	VOLUME	461165.987	3772832.017	382.50
LOCATION	L0001091	VOLUME	461167.986	3772832.073	382.51
LOCATION	L0001092	VOLUME	461169.985	3772832.130	382.51
LOCATION	L0001093	VOLUME	461171.984	3772832.186	382.52
LOCATION	L0001094	VOLUME	461173.983	3772832.243	382.52
LOCATION	L0001095	VOLUME	461175.983	3772832.300	382.53
LOCATION	L0001096	VOLUME	461177.982	3772832.356	382.53
LOCATION	L0001097	VOLUME	461179.981	3772832.413	382.53
LOCATION	L0001098	VOLUME	461181.980	3772832.469	382.54
LOCATION	L0001099	VOLUME	461183.979	3772832.526	382.54
LOCATION	L0001100	VOLUME	461185.979	3772832.582	382.55
LOCATION	L0001101	VOLUME	461187.978	3772832.639	382.55
LOCATION	L0001102	VOLUME	461189.977	3772832.695	382.56

LOCATION	L0001103	VOLUME	461191.976	3772832.752	382.56
LOCATION	L0001104	VOLUME	461193.975	3772832.809	382.56
LOCATION	L0001105	VOLUME	461195.975	3772832.865	382.54
LOCATION	L0001106	VOLUME	461197.974	3772832.922	382.52
LOCATION	L0001107	VOLUME	461199.973	3772832.978	382.51
LOCATION	L0001108	VOLUME	461201.972	3772833.035	382.49
LOCATION	L0001109	VOLUME	461203.971	3772833.091	382.47
LOCATION	L0001110	VOLUME	461205.971	3772833.148	382.45
LOCATION	L0001111	VOLUME	461207.970	3772833.204	382.44
LOCATION	L0001112	VOLUME	461209.969	3772833.261	382.42
LOCATION	L0001113	VOLUME	461211.968	3772833.318	382.40
LOCATION	L0001114	VOLUME	461213.967	3772833.374	382.38
LOCATION	L0001115	VOLUME	461215.967	3772833.431	382.36
LOCATION	L0001116	VOLUME	461217.966	3772833.487	382.34
LOCATION	L0001117	VOLUME	461219.965	3772833.544	382.33
LOCATION	L0001118	VOLUME	461221.964	3772833.600	382.31
LOCATION	L0001119	VOLUME	461223.963	3772833.657	382.30
LOCATION	L0001120	VOLUME	461225.963	3772833.714	382.28
LOCATION	L0001121	VOLUME	461227.962	3772833.770	382.27
LOCATION	L0001122	VOLUME	461229.961	3772833.827	382.26
LOCATION	L0001123	VOLUME	461231.960	3772833.883	382.24
LOCATION	L0001124	VOLUME	461233.959	3772833.940	382.23
LOCATION	L0001125	VOLUME	461235.959	3772833.996	382.21
LOCATION	L0001126	VOLUME	461237.958	3772834.053	382.20
LOCATION	L0001127	VOLUME	461239.957	3772834.109	382.18
LOCATION	L0001128	VOLUME	461241.956	3772834.166	382.17
LOCATION	L0001129	VOLUME	461243.955	3772834.223	382.16
LOCATION	L0001130	VOLUME	461245.955	3772834.279	382.15
LOCATION	L0001131	VOLUME	461247.954	3772834.336	382.15
LOCATION	L0001132	VOLUME	461249.953	3772834.392	382.14
LOCATION	L0001133	VOLUME	461251.952	3772834.449	382.14
LOCATION	L0001134	VOLUME	461253.951	3772834.505	382.14
LOCATION	L0001135	VOLUME	461255.951	3772834.562	382.14
LOCATION	L0001136	VOLUME	461257.950	3772834.618	382.13
LOCATION	L0001137	VOLUME	461259.949	3772834.675	382.13
LOCATION	L0001138	VOLUME	461261.948	3772834.732	382.13
LOCATION	L0001139	VOLUME	461263.947	3772834.788	382.12
LOCATION	L0001140	VOLUME	461265.947	3772834.845	382.12
LOCATION	L0001141	VOLUME	461267.946	3772834.901	382.12
LOCATION	L0001142	VOLUME	461269.945	3772834.958	382.11
LOCATION	L0001143	VOLUME	461271.944	3772835.014	382.11
LOCATION	L0001144	VOLUME	461273.943	3772835.071	382.11
LOCATION	L0001145	VOLUME	461275.943	3772835.128	382.10
LOCATION	L0001146	VOLUME	461277.942	3772835.184	382.10
LOCATION	L0001147	VOLUME	461279.941	3772835.241	382.10
LOCATION	L0001148	VOLUME	461281.940	3772835.297	382.09
LOCATION	L0001149	VOLUME	461283.939	3772835.354	382.09
LOCATION	L0001150	VOLUME	461285.939	3772835.410	382.08

LOCATION	L0001151	VOLUME	461287.938	3772835.467	382.08
LOCATION	L0001152	VOLUME	461289.937	3772835.523	382.08
LOCATION	L0001153	VOLUME	461291.936	3772835.580	382.07
LOCATION	L0001154	VOLUME	461293.935	3772835.637	382.07
LOCATION	L0001155	VOLUME	461295.935	3772835.693	382.06
LOCATION	L0001156	VOLUME	461297.934	3772835.750	382.06
LOCATION	L0001157	VOLUME	461299.933	3772835.806	382.05
LOCATION	L0001158	VOLUME	461301.932	3772835.863	382.05
LOCATION	L0001159	VOLUME	461303.931	3772835.919	382.04
LOCATION	L0001160	VOLUME	461305.931	3772835.976	382.04
LOCATION	L0001161	VOLUME	461307.930	3772836.033	382.03
LOCATION	L0001162	VOLUME	461309.929	3772836.089	382.03
LOCATION	L0001163	VOLUME	461311.928	3772836.146	382.02
LOCATION	L0001164	VOLUME	461313.927	3772836.202	382.02
LOCATION	L0001165	VOLUME	461315.927	3772836.259	382.01
LOCATION	L0001166	VOLUME	461317.926	3772836.315	382.01
LOCATION	L0001167	VOLUME	461319.925	3772836.372	382.00
LOCATION	L0001168	VOLUME	461321.924	3772836.428	382.00
LOCATION	L0001169	VOLUME	461323.923	3772836.485	381.99
LOCATION	L0001170	VOLUME	461325.923	3772836.542	381.98
LOCATION	L0001171	VOLUME	461327.922	3772836.598	381.98
LOCATION	L0001172	VOLUME	461329.921	3772836.655	381.97
LOCATION	L0001173	VOLUME	461331.920	3772836.711	381.96
LOCATION	L0001174	VOLUME	461333.919	3772836.768	381.96
LOCATION	L0001175	VOLUME	461335.919	3772836.824	381.95
LOCATION	L0001176	VOLUME	461337.918	3772836.881	381.94
LOCATION	L0001177	VOLUME	461339.917	3772836.937	381.94
LOCATION	L0001178	VOLUME	461341.916	3772836.994	381.93
LOCATION	L0001179	VOLUME	461343.915	3772837.051	381.92
LOCATION	L0001180	VOLUME	461345.915	3772837.107	381.92
LOCATION	L0001181	VOLUME	461347.914	3772837.164	381.91
LOCATION	L0001182	VOLUME	461349.913	3772837.220	381.91
LOCATION	L0001183	VOLUME	461351.912	3772837.277	381.90
LOCATION	L0001184	VOLUME	461353.911	3772837.333	381.90
LOCATION	L0001185	VOLUME	461355.911	3772837.390	381.90
LOCATION	L0001186	VOLUME	461357.910	3772837.447	381.89
LOCATION	L0001187	VOLUME	461359.909	3772837.503	381.89
LOCATION	L0001188	VOLUME	461361.908	3772837.560	381.88
LOCATION	L0001189	VOLUME	461363.907	3772837.616	381.88
LOCATION	L0001190	VOLUME	461365.907	3772837.673	381.87
LOCATION	L0001191	VOLUME	461367.906	3772837.729	381.87
LOCATION	L0001192	VOLUME	461369.905	3772837.786	381.86
LOCATION	L0001193	VOLUME	461371.904	3772837.842	381.86
LOCATION	L0001194	VOLUME	461373.903	3772837.899	381.86
LOCATION	L0001195	VOLUME	461375.903	3772837.956	381.87
LOCATION	L0001196	VOLUME	461377.902	3772838.012	381.88
LOCATION	L0001197	VOLUME	461379.901	3772838.069	381.89
LOCATION	L0001198	VOLUME	461381.900	3772838.125	381.89

LOCATION	L0001199	VOLUME	461383.899	3772838.182	381.90
LOCATION	L0001200	VOLUME	461385.899	3772838.238	381.91
LOCATION	L0001201	VOLUME	461387.898	3772838.295	381.92
LOCATION	L0001202	VOLUME	461389.897	3772838.352	381.92
LOCATION	L0001203	VOLUME	461391.896	3772838.408	381.93
LOCATION	L0001204	VOLUME	461393.895	3772838.465	381.93
LOCATION	L0001205	VOLUME	461395.895	3772838.521	381.94
LOCATION	L0001206	VOLUME	461397.894	3772838.578	381.95
LOCATION	L0001207	VOLUME	461399.893	3772838.634	381.93
LOCATION	L0001208	VOLUME	461401.892	3772838.691	381.91
LOCATION	L0001209	VOLUME	461403.891	3772838.747	381.90
LOCATION	L0001210	VOLUME	461405.891	3772838.804	381.88
LOCATION	L0001211	VOLUME	461407.890	3772838.861	381.86
LOCATION	L0001212	VOLUME	461409.889	3772838.917	381.84
LOCATION	L0001213	VOLUME	461411.888	3772838.974	381.82
LOCATION	L0001214	VOLUME	461413.887	3772839.030	381.80
LOCATION	L0001215	VOLUME	461415.887	3772839.087	381.78
LOCATION	L0001216	VOLUME	461417.886	3772839.143	381.77
LOCATION	L0001217	VOLUME	461419.885	3772839.200	381.75
LOCATION	L0001218	VOLUME	461421.884	3772839.256	381.73
LOCATION	L0001219	VOLUME	461423.883	3772839.313	381.71
LOCATION	L0001220	VOLUME	461425.883	3772839.370	381.68
LOCATION	L0001221	VOLUME	461427.882	3772839.426	381.65
LOCATION	L0001222	VOLUME	461429.881	3772839.483	381.62
LOCATION	L0001223	VOLUME	461431.880	3772839.539	381.59
LOCATION	L0001224	VOLUME	461433.879	3772839.596	381.57
LOCATION	L0001225	VOLUME	461435.879	3772839.652	381.54
LOCATION	L0001226	VOLUME	461437.878	3772839.709	381.51
LOCATION	L0001227	VOLUME	461439.877	3772839.766	381.48
LOCATION	L0001228	VOLUME	461441.876	3772839.822	381.45
LOCATION	L0001229	VOLUME	461443.875	3772839.879	381.42
LOCATION	L0001230	VOLUME	461445.875	3772839.935	381.39
LOCATION	L0001231	VOLUME	461447.874	3772839.992	381.37
LOCATION	L0001232	VOLUME	461449.873	3772840.048	381.34
LOCATION	L0001233	VOLUME	461451.872	3772840.105	381.34
LOCATION	L0001234	VOLUME	461453.871	3772840.161	381.34
LOCATION	L0001235	VOLUME	461455.871	3772840.218	381.34
LOCATION	L0001236	VOLUME	461457.870	3772840.275	381.33
LOCATION	L0001237	VOLUME	461459.869	3772840.331	381.33
LOCATION	L0001238	VOLUME	461461.868	3772840.388	381.33
LOCATION	L0001239	VOLUME	461463.867	3772840.444	381.33
LOCATION	L0001240	VOLUME	461465.867	3772840.501	381.33
LOCATION	L0001241	VOLUME	461467.866	3772840.557	381.33
LOCATION	L0001242	VOLUME	461469.865	3772840.614	381.32
LOCATION	L0001243	VOLUME	461471.864	3772840.670	381.32
LOCATION	L0001244	VOLUME	461473.863	3772840.727	381.32
LOCATION	L0001245	VOLUME	461475.863	3772840.784	381.32
LOCATION	L0001246	VOLUME	461477.862	3772840.840	381.33

LOCATION	L0001247	VOLUME	461479.861	3772840.897	381.33
LOCATION	L0001248	VOLUME	461481.860	3772840.953	381.33
LOCATION	L0001249	VOLUME	461483.859	3772841.010	381.34
LOCATION	L0001250	VOLUME	461485.859	3772841.066	381.34
LOCATION	L0001251	VOLUME	461487.858	3772841.123	381.35
LOCATION	L0001252	VOLUME	461489.857	3772841.180	381.35
LOCATION	L0001253	VOLUME	461491.856	3772841.236	381.36
LOCATION	L0001254	VOLUME	461493.855	3772841.293	381.36
LOCATION	L0001255	VOLUME	461495.855	3772841.349	381.37
LOCATION	L0001256	VOLUME	461497.854	3772841.406	381.37
LOCATION	L0001257	VOLUME	461499.853	3772841.462	381.38
LOCATION	L0001258	VOLUME	461501.852	3772841.519	381.37
LOCATION	L0001259	VOLUME	461503.851	3772841.575	381.37
LOCATION	L0001260	VOLUME	461505.851	3772841.632	381.37
LOCATION	L0001261	VOLUME	461507.850	3772841.689	381.36
LOCATION	L0001262	VOLUME	461509.849	3772841.745	381.36
LOCATION	L0001263	VOLUME	461511.848	3772841.802	381.35
LOCATION	L0001264	VOLUME	461513.847	3772841.858	381.35
LOCATION	L0001265	VOLUME	461515.847	3772841.915	381.34
LOCATION	L0001266	VOLUME	461517.846	3772841.971	381.34
LOCATION	L0001267	VOLUME	461519.845	3772842.028	381.33
LOCATION	L0001268	VOLUME	461521.844	3772842.085	381.33
LOCATION	L0001269	VOLUME	461523.843	3772842.141	381.32
LOCATION	L0001270	VOLUME	461525.843	3772842.198	381.32
LOCATION	L0001271	VOLUME	461527.842	3772842.254	381.32
LOCATION	L0001272	VOLUME	461529.841	3772842.311	381.31
LOCATION	L0001273	VOLUME	461531.840	3772842.367	381.30
LOCATION	L0001274	VOLUME	461533.839	3772842.424	381.30
LOCATION	L0001275	VOLUME	461535.839	3772842.480	381.29
LOCATION	L0001276	VOLUME	461537.838	3772842.537	381.29
LOCATION	L0001277	VOLUME	461539.837	3772842.594	381.28
LOCATION	L0001278	VOLUME	461541.836	3772842.650	381.28
LOCATION	L0001279	VOLUME	461543.835	3772842.707	381.27
LOCATION	L0001280	VOLUME	461545.835	3772842.763	381.27
LOCATION	L0001281	VOLUME	461547.834	3772842.820	381.26
LOCATION	L0001282	VOLUME	461549.833	3772842.876	381.26
LOCATION	L0001283	VOLUME	461551.832	3772842.933	381.26
LOCATION	L0001284	VOLUME	461553.831	3772842.989	381.25
LOCATION	L0001285	VOLUME	461555.831	3772843.046	381.25
LOCATION	L0001286	VOLUME	461557.830	3772843.103	381.25
LOCATION	L0001287	VOLUME	461559.829	3772843.159	381.24
LOCATION	L0001288	VOLUME	461561.828	3772843.216	381.24
LOCATION	L0001289	VOLUME	461563.827	3772843.272	381.24
LOCATION	L0001290	VOLUME	461565.827	3772843.329	381.23
LOCATION	L0001291	VOLUME	461567.826	3772843.385	381.23
LOCATION	L0001292	VOLUME	461569.825	3772843.442	381.23
LOCATION	L0001293	VOLUME	461571.824	3772843.499	381.23
LOCATION	L0001294	VOLUME	461573.823	3772843.555	381.22

LOCATION	L0001295	VOLUME	461575.823	3772843.612	381.22
LOCATION	L0001296	VOLUME	461577.822	3772843.668	381.22
LOCATION	L0001297	VOLUME	461579.821	3772843.725	381.22
LOCATION	L0001298	VOLUME	461581.820	3772843.781	381.22
LOCATION	L0001299	VOLUME	461583.819	3772843.838	381.21
LOCATION	L0001300	VOLUME	461585.819	3772843.894	381.21
LOCATION	L0001301	VOLUME	461587.818	3772843.951	381.21
LOCATION	L0001302	VOLUME	461589.817	3772844.008	381.21
LOCATION	L0001303	VOLUME	461591.816	3772844.064	381.20
LOCATION	L0001304	VOLUME	461593.815	3772844.121	381.20
LOCATION	L0001305	VOLUME	461595.815	3772844.177	381.20
LOCATION	L0001306	VOLUME	461597.814	3772844.234	381.20
LOCATION	L0001307	VOLUME	461599.813	3772844.290	381.20
LOCATION	L0001308	VOLUME	461601.812	3772844.347	381.19
LOCATION	L0001309	VOLUME	461603.811	3772844.403	381.19
LOCATION	L0001310	VOLUME	461605.811	3772844.460	381.19
LOCATION	L0001311	VOLUME	461607.810	3772844.517	381.19
LOCATION	L0001312	VOLUME	461609.809	3772844.573	381.18
LOCATION	L0001313	VOLUME	461611.808	3772844.630	381.18
LOCATION	L0001314	VOLUME	461613.807	3772844.686	381.18
LOCATION	L0001315	VOLUME	461615.807	3772844.743	381.17
LOCATION	L0001316	VOLUME	461617.806	3772844.799	381.17
LOCATION	L0001317	VOLUME	461619.805	3772844.856	381.17
LOCATION	L0001318	VOLUME	461621.804	3772844.913	381.17
LOCATION	L0001319	VOLUME	461623.803	3772844.969	381.16
LOCATION	L0001320	VOLUME	461625.803	3772845.026	381.16
LOCATION	L0001321	VOLUME	461627.802	3772845.082	381.16
LOCATION	L0001322	VOLUME	461629.801	3772845.139	381.15
LOCATION	L0001323	VOLUME	461631.800	3772845.195	381.15
LOCATION	L0001324	VOLUME	461633.799	3772845.252	381.14
LOCATION	L0001325	VOLUME	461635.799	3772845.308	381.14
LOCATION	L0001326	VOLUME	461637.798	3772845.365	381.13
LOCATION	L0001327	VOLUME	461639.797	3772845.422	381.13
LOCATION	L0001328	VOLUME	461641.796	3772845.478	381.13
LOCATION	L0001329	VOLUME	461643.795	3772845.535	381.12
LOCATION	L0001330	VOLUME	461645.795	3772845.591	381.12
LOCATION	L0001331	VOLUME	461647.794	3772845.648	381.11
LOCATION	L0001332	VOLUME	461649.793	3772845.704	381.11
LOCATION	L0001333	VOLUME	461651.792	3772845.761	381.10
LOCATION	L0001334	VOLUME	461653.791	3772845.818	381.10
LOCATION	L0001335	VOLUME	461655.791	3772845.874	381.10
LOCATION	L0001336	VOLUME	461657.790	3772845.931	381.10
LOCATION	L0001337	VOLUME	461659.789	3772845.987	381.11
LOCATION	L0001338	VOLUME	461661.788	3772846.044	381.11
LOCATION	L0001339	VOLUME	461663.787	3772846.100	381.11
LOCATION	L0001340	VOLUME	461665.787	3772846.157	381.12
LOCATION	L0001341	VOLUME	461667.786	3772846.213	381.12
LOCATION	L0001342	VOLUME	461669.785	3772846.270	381.12

LOCATION	L0001343	VOLUME	461671.784	3772846.327	381.13
LOCATION	L0001344	VOLUME	461673.783	3772846.383	381.13
LOCATION	L0001345	VOLUME	461675.783	3772846.440	381.14
LOCATION	L0001346	VOLUME	461677.782	3772846.496	381.14
LOCATION	L0001347	VOLUME	461679.781	3772846.553	381.14
LOCATION	L0001348	VOLUME	461681.780	3772846.609	381.14
LOCATION	L0001349	VOLUME	461683.779	3772846.666	381.14
LOCATION	L0001350	VOLUME	461685.779	3772846.722	381.14
LOCATION	L0001351	VOLUME	461687.778	3772846.779	381.14
LOCATION	L0001352	VOLUME	461689.777	3772846.836	381.14
LOCATION	L0001353	VOLUME	461691.776	3772846.892	381.14
LOCATION	L0001354	VOLUME	461693.775	3772846.949	381.14
LOCATION	L0001355	VOLUME	461695.775	3772847.005	381.13
LOCATION	L0001356	VOLUME	461697.774	3772847.062	381.13
LOCATION	L0001357	VOLUME	461699.773	3772847.118	381.13
LOCATION	L0001358	VOLUME	461701.772	3772847.175	381.13
LOCATION	L0001359	VOLUME	461703.771	3772847.232	381.13
LOCATION	L0001360	VOLUME	461705.771	3772847.288	381.13
LOCATION	L0001361	VOLUME	461707.770	3772847.345	381.13
LOCATION	L0001362	VOLUME	461709.769	3772847.401	381.12
LOCATION	L0001363	VOLUME	461711.768	3772847.458	381.12
LOCATION	L0001364	VOLUME	461713.767	3772847.514	381.12
LOCATION	L0001365	VOLUME	461715.767	3772847.571	381.12
LOCATION	L0001366	VOLUME	461717.766	3772847.627	381.12
LOCATION	L0001367	VOLUME	461719.765	3772847.684	381.12
LOCATION	L0001368	VOLUME	461721.764	3772847.741	381.11
LOCATION	L0001369	VOLUME	461723.763	3772847.797	381.11
LOCATION	L0001370	VOLUME	461725.763	3772847.854	381.11
LOCATION	L0001371	VOLUME	461727.762	3772847.910	381.11
LOCATION	L0001372	VOLUME	461729.761	3772847.967	381.11
LOCATION	L0001373	VOLUME	461731.760	3772848.023	381.10
LOCATION	L0001374	VOLUME	461733.759	3772848.080	381.10
LOCATION	L0001375	VOLUME	461735.759	3772848.136	381.10
LOCATION	L0001376	VOLUME	461737.758	3772848.193	381.10
LOCATION	L0001377	VOLUME	461739.757	3772848.250	381.09
LOCATION	L0001378	VOLUME	461741.756	3772848.306	381.09
LOCATION	L0001379	VOLUME	461743.755	3772848.363	381.09
LOCATION	L0001380	VOLUME	461745.755	3772848.419	381.09
LOCATION	L0001381	VOLUME	461747.754	3772848.476	381.08
LOCATION	L0001382	VOLUME	461749.753	3772848.532	381.08
LOCATION	L0001383	VOLUME	461751.752	3772848.589	381.08
LOCATION	L0001384	VOLUME	461753.751	3772848.646	381.07
LOCATION	L0001385	VOLUME	461755.751	3772848.702	381.07
LOCATION	L0001386	VOLUME	461757.750	3772848.759	381.07
LOCATION	L0001387	VOLUME	461759.749	3772848.815	381.07
LOCATION	L0001388	VOLUME	461761.748	3772848.872	381.07
LOCATION	L0001389	VOLUME	461763.747	3772848.928	381.07
LOCATION	L0001390	VOLUME	461765.747	3772848.985	381.07

LOCATION	L0001391	VOLUME	461767.746	3772849.041	381.07
LOCATION	L0001392	VOLUME	461769.745	3772849.098	381.07
LOCATION	L0001393	VOLUME	461771.744	3772849.155	381.07
LOCATION	L0001394	VOLUME	461773.743	3772849.211	381.07
LOCATION	L0001395	VOLUME	461775.743	3772849.268	381.07
LOCATION	L0001396	VOLUME	461777.742	3772849.324	381.07
LOCATION	L0001397	VOLUME	461779.741	3772849.381	381.08
LOCATION	L0001398	VOLUME	461781.740	3772849.437	381.08
LOCATION	L0001399	VOLUME	461783.739	3772849.494	381.08
LOCATION	L0001400	VOLUME	461785.739	3772849.551	381.07
LOCATION	L0001401	VOLUME	461787.738	3772849.607	381.07
LOCATION	L0001402	VOLUME	461789.737	3772849.664	381.07
LOCATION	L0001403	VOLUME	461791.736	3772849.720	381.07
LOCATION	L0001404	VOLUME	461793.735	3772849.777	381.07
LOCATION	L0001405	VOLUME	461795.735	3772849.833	381.07
LOCATION	L0001406	VOLUME	461797.734	3772849.890	381.07
LOCATION	L0001407	VOLUME	461799.733	3772849.946	381.06
LOCATION	L0001408	VOLUME	461801.732	3772850.003	381.06
LOCATION	L0001409	VOLUME	461803.731	3772850.060	381.06
LOCATION	L0001410	VOLUME	461805.731	3772850.116	381.06
LOCATION	L0001411	VOLUME	461807.730	3772850.173	381.06
LOCATION	L0001412	VOLUME	461809.729	3772850.229	381.06
LOCATION	L0001413	VOLUME	461811.728	3772850.286	381.06
LOCATION	L0001414	VOLUME	461813.727	3772850.342	381.06
LOCATION	L0001415	VOLUME	461815.727	3772850.399	381.06
LOCATION	L0001416	VOLUME	461817.726	3772850.455	381.06
LOCATION	L0001417	VOLUME	461819.725	3772850.512	381.07
LOCATION	L0001418	VOLUME	461821.724	3772850.569	381.07
LOCATION	L0001419	VOLUME	461823.723	3772850.625	381.07
LOCATION	L0001420	VOLUME	461825.723	3772850.682	381.07
LOCATION	L0001421	VOLUME	461827.722	3772850.738	381.07
LOCATION	L0001422	VOLUME	461829.721	3772850.795	381.07
LOCATION	L0001423	VOLUME	461831.720	3772850.851	381.07
LOCATION	L0001424	VOLUME	461833.719	3772850.908	381.08
LOCATION	L0001425	VOLUME	461835.719	3772850.965	381.08
LOCATION	L0001426	VOLUME	461837.718	3772851.021	381.08
LOCATION	L0001427	VOLUME	461839.717	3772851.078	381.08
LOCATION	L0001428	VOLUME	461841.716	3772851.134	381.08
LOCATION	L0001429	VOLUME	461843.715	3772851.191	381.09
LOCATION	L0001430	VOLUME	461845.715	3772851.247	381.09
LOCATION	L0001431	VOLUME	461847.714	3772851.304	381.09
LOCATION	L0001432	VOLUME	461849.713	3772851.360	381.09
LOCATION	L0001433	VOLUME	461851.712	3772851.417	381.09
LOCATION	L0001434	VOLUME	461853.711	3772851.474	381.10
LOCATION	L0001435	VOLUME	461855.711	3772851.530	381.10
LOCATION	L0001436	VOLUME	461857.710	3772851.587	381.10
LOCATION	L0001437	VOLUME	461859.709	3772851.643	381.10
LOCATION	L0001438	VOLUME	461861.708	3772851.700	381.11

LOCATION	L0001439	VOLUME	461863.707	3772851.756	381.11
LOCATION	L0001440	VOLUME	461865.707	3772851.813	381.12
LOCATION	L0001441	VOLUME	461867.706	3772851.870	381.13
LOCATION	L0001442	VOLUME	461869.705	3772851.926	381.13
LOCATION	L0001443	VOLUME	461871.704	3772851.983	381.14
LOCATION	L0001444	VOLUME	461873.703	3772852.039	381.15
LOCATION	L0001445	VOLUME	461875.703	3772852.096	381.15
LOCATION	L0001446	VOLUME	461877.702	3772852.152	381.16
LOCATION	L0001447	VOLUME	461879.701	3772852.209	381.17
LOCATION	L0001448	VOLUME	461881.700	3772852.265	381.17
LOCATION	L0001449	VOLUME	461883.699	3772852.322	381.18
LOCATION	L0001450	VOLUME	461885.699	3772852.379	381.19
LOCATION	L0001451	VOLUME	461887.698	3772852.435	381.19
LOCATION	L0001452	VOLUME	461889.697	3772852.492	381.19
LOCATION	L0001453	VOLUME	461891.696	3772852.548	381.19
LOCATION	L0001454	VOLUME	461893.695	3772852.605	381.19
LOCATION	L0001455	VOLUME	461895.695	3772852.661	381.19
LOCATION	L0001456	VOLUME	461897.694	3772852.718	381.19
LOCATION	L0001457	VOLUME	461899.693	3772852.774	381.20
LOCATION	L0001458	VOLUME	461901.692	3772852.831	381.20
LOCATION	L0001459	VOLUME	461903.691	3772852.888	381.20
LOCATION	L0001460	VOLUME	461905.691	3772852.944	381.20
LOCATION	L0001461	VOLUME	461907.690	3772853.001	381.20
LOCATION	L0001462	VOLUME	461909.689	3772853.057	381.20
LOCATION	L0001463	VOLUME	461911.688	3772853.114	381.20
LOCATION	L0001464	VOLUME	461913.687	3772853.170	381.20
LOCATION	L0001465	VOLUME	461915.687	3772853.227	381.20
LOCATION	L0001466	VOLUME	461917.686	3772853.284	381.20
LOCATION	L0001467	VOLUME	461919.685	3772853.340	381.20
LOCATION	L0001468	VOLUME	461921.684	3772853.397	381.20
LOCATION	L0001469	VOLUME	461923.683	3772853.453	381.20
LOCATION	L0001470	VOLUME	461925.683	3772853.510	381.20
LOCATION	L0001471	VOLUME	461927.682	3772853.566	381.20
LOCATION	L0001472	VOLUME	461929.681	3772853.623	381.20
LOCATION	L0001473	VOLUME	461931.680	3772853.679	381.20
LOCATION	L0001474	VOLUME	461933.679	3772853.736	381.20
LOCATION	L0001475	VOLUME	461935.679	3772853.793	381.20
LOCATION	L0001476	VOLUME	461937.678	3772853.849	381.20
LOCATION	L0001477	VOLUME	461939.677	3772853.906	381.20
LOCATION	L0001478	VOLUME	461941.676	3772853.962	381.20
LOCATION	L0001479	VOLUME	461943.675	3772854.019	381.20
LOCATION	L0001480	VOLUME	461945.675	3772854.075	381.21
LOCATION	L0001481	VOLUME	461947.674	3772854.132	381.21
LOCATION	L0001482	VOLUME	461949.673	3772854.188	381.21
LOCATION	L0001483	VOLUME	461951.672	3772854.245	381.21
LOCATION	L0001484	VOLUME	461953.671	3772854.302	381.21
LOCATION	L0001485	VOLUME	461955.671	3772854.358	381.22
LOCATION	L0001486	VOLUME	461957.670	3772854.415	381.22

LOCATION	L0001487	VOLUME	461959.669	3772854.471	381.22
LOCATION	L0001488	VOLUME	461961.668	3772854.528	381.22
LOCATION	L0001489	VOLUME	461963.667	3772854.584	381.22
LOCATION	L0001490	VOLUME	461965.667	3772854.641	381.21
LOCATION	L0001491	VOLUME	461967.666	3772854.698	381.20
LOCATION	L0001492	VOLUME	461969.665	3772854.754	381.20
LOCATION	L0001493	VOLUME	461971.664	3772854.811	381.19
LOCATION	L0001494	VOLUME	461973.663	3772854.867	381.18
LOCATION	L0001495	VOLUME	461975.663	3772854.924	381.17
LOCATION	L0001496	VOLUME	461977.662	3772854.980	381.17
LOCATION	L0001497	VOLUME	461979.661	3772855.037	381.16
LOCATION	L0001498	VOLUME	461981.660	3772855.093	381.15
LOCATION	L0001499	VOLUME	461983.659	3772855.150	381.14
LOCATION	L0001500	VOLUME	461985.659	3772855.207	381.13
LOCATION	L0001501	VOLUME	461987.658	3772855.263	381.13
LOCATION	L0001502	VOLUME	461989.657	3772855.320	381.10
LOCATION	L0001503	VOLUME	461991.656	3772855.376	381.08
LOCATION	L0001504	VOLUME	461993.655	3772855.433	381.06
LOCATION	L0001505	VOLUME	461995.655	3772855.489	381.04
LOCATION	L0001506	VOLUME	461997.654	3772855.546	381.02
LOCATION	L0001507	VOLUME	461999.653	3772855.603	381.00
LOCATION	L0001508	VOLUME	462001.652	3772855.659	380.97
LOCATION	L0001509	VOLUME	462003.651	3772855.716	380.95
LOCATION	L0001510	VOLUME	462005.651	3772855.772	380.93
LOCATION	L0001511	VOLUME	462007.650	3772855.829	380.91
LOCATION	L0001512	VOLUME	462009.649	3772855.885	380.88
LOCATION	L0001513	VOLUME	462011.648	3772855.942	380.86
LOCATION	L0001514	VOLUME	462013.647	3772855.998	380.84
LOCATION	L0001515	VOLUME	462015.647	3772856.055	380.82
LOCATION	L0001516	VOLUME	462017.646	3772856.112	380.80
LOCATION	L0001517	VOLUME	462019.645	3772856.168	380.78
LOCATION	L0001518	VOLUME	462021.644	3772856.225	380.76
LOCATION	L0001519	VOLUME	462023.643	3772856.281	380.74
LOCATION	L0001520	VOLUME	462025.643	3772856.338	380.72
LOCATION	L0001521	VOLUME	462027.642	3772856.394	380.70
LOCATION	L0001522	VOLUME	462029.641	3772856.451	380.68
LOCATION	L0001523	VOLUME	462031.640	3772856.507	380.65
LOCATION	L0001524	VOLUME	462033.639	3772856.564	380.63
LOCATION	L0001525	VOLUME	462035.639	3772856.621	380.61
LOCATION	L0001526	VOLUME	462037.638	3772856.677	380.59
LOCATION	L0001527	VOLUME	462039.637	3772856.734	380.57
LOCATION	L0001528	VOLUME	462041.636	3772856.790	380.57
LOCATION	L0001529	VOLUME	462043.635	3772856.847	380.56
LOCATION	L0001530	VOLUME	462045.635	3772856.903	380.55
LOCATION	L0001531	VOLUME	462047.634	3772856.960	380.54
LOCATION	L0001532	VOLUME	462049.633	3772857.017	380.53
LOCATION	L0001533	VOLUME	462051.632	3772857.073	380.52
LOCATION	L0001534	VOLUME	462053.631	3772857.130	380.51

LOCATION	L0001535	VOLUME	462055.631	3772857.186	380.50
LOCATION	L0001536	VOLUME	462057.630	3772857.243	380.49
LOCATION	L0001537	VOLUME	462059.629	3772857.299	380.48
LOCATION	L0001538	VOLUME	462061.628	3772857.356	380.47
LOCATION	L0001539	VOLUME	462063.627	3772857.412	380.47
LOCATION	L0001540	VOLUME	462065.627	3772857.469	380.46
LOCATION	L0001541	VOLUME	462067.626	3772857.526	380.46
LOCATION	L0001542	VOLUME	462069.625	3772857.582	380.45
LOCATION	L0001543	VOLUME	462071.624	3772857.639	380.45
LOCATION	L0001544	VOLUME	462073.623	3772857.695	380.45
LOCATION	L0001545	VOLUME	462075.623	3772857.752	380.44
LOCATION	L0001546	VOLUME	462077.622	3772857.808	380.44
LOCATION	L0001547	VOLUME	462079.621	3772857.865	380.44
LOCATION	L0001548	VOLUME	462081.620	3772857.921	380.43
LOCATION	L0001549	VOLUME	462083.620	3772857.978	380.43
LOCATION	L0001550	VOLUME	462085.619	3772858.035	380.43
LOCATION	L0001551	VOLUME	462087.618	3772858.091	380.42
LOCATION	L0001552	VOLUME	462089.617	3772858.148	380.42
LOCATION	L0001553	VOLUME	462091.616	3772858.204	380.42
LOCATION	L0001554	VOLUME	462093.616	3772858.261	380.42
LOCATION	L0001555	VOLUME	462095.615	3772858.317	380.41
LOCATION	L0001556	VOLUME	462097.614	3772858.374	380.41
LOCATION	L0001557	VOLUME	462099.613	3772858.431	380.41
LOCATION	L0001558	VOLUME	462101.612	3772858.487	380.41
LOCATION	L0001559	VOLUME	462103.612	3772858.544	380.41
LOCATION	L0001560	VOLUME	462105.611	3772858.600	380.41
LOCATION	L0001561	VOLUME	462107.610	3772858.657	380.40
LOCATION	L0001562	VOLUME	462109.609	3772858.713	380.40
LOCATION	L0001563	VOLUME	462111.608	3772858.770	380.40
LOCATION	L0001564	VOLUME	462113.608	3772858.826	380.40
LOCATION	L0001565	VOLUME	462115.607	3772858.883	380.40
LOCATION	L0001566	VOLUME	462117.606	3772858.940	380.40
LOCATION	L0001567	VOLUME	462119.605	3772858.996	380.40
LOCATION	L0001568	VOLUME	462121.604	3772859.053	380.41
LOCATION	L0001569	VOLUME	462123.604	3772859.109	380.41
LOCATION	L0001570	VOLUME	462125.603	3772859.166	380.42
LOCATION	L0001571	VOLUME	462127.602	3772859.222	380.42
LOCATION	L0001572	VOLUME	462129.601	3772859.279	380.42
LOCATION	L0001573	VOLUME	462131.600	3772859.336	380.43
LOCATION	L0001574	VOLUME	462133.600	3772859.392	380.43
LOCATION	L0001575	VOLUME	462135.599	3772859.449	380.43
LOCATION	L0001576	VOLUME	462137.598	3772859.505	380.44
LOCATION	L0001577	VOLUME	462139.597	3772859.562	380.44
LOCATION	L0001578	VOLUME	462141.596	3772859.618	380.45
LOCATION	L0001579	VOLUME	462143.596	3772859.675	380.46
LOCATION	L0001580	VOLUME	462145.595	3772859.731	380.47
LOCATION	L0001581	VOLUME	462147.594	3772859.788	380.48
LOCATION	L0001582	VOLUME	462149.593	3772859.845	380.49

LOCATION	L0001583	VOLUME	462151.592	3772859.901	380.50
LOCATION	L0001584	VOLUME	462153.592	3772859.958	380.52
LOCATION	L0001585	VOLUME	462155.591	3772860.014	380.53
LOCATION	L0001586	VOLUME	462157.590	3772860.071	380.54
LOCATION	L0001587	VOLUME	462159.589	3772860.127	380.55
LOCATION	L0001588	VOLUME	462161.588	3772860.184	380.56
LOCATION	L0001589	VOLUME	462163.588	3772860.240	380.57
LOCATION	L0001590	VOLUME	462165.587	3772860.297	380.59
LOCATION	L0001591	VOLUME	462167.586	3772860.354	380.60
LOCATION	L0001592	VOLUME	462169.585	3772860.410	380.61
LOCATION	L0001593	VOLUME	462171.584	3772860.467	380.63
LOCATION	L0001594	VOLUME	462173.584	3772860.523	380.64
LOCATION	L0001595	VOLUME	462175.583	3772860.580	380.65
LOCATION	L0001596	VOLUME	462177.582	3772860.636	380.67
LOCATION	L0001597	VOLUME	462179.581	3772860.693	380.68
LOCATION	L0001598	VOLUME	462181.580	3772860.750	380.70
LOCATION	L0001599	VOLUME	462183.580	3772860.806	380.71
LOCATION	L0001600	VOLUME	462185.579	3772860.863	380.72
LOCATION	L0001601	VOLUME	462187.578	3772860.919	380.74
LOCATION	L0001602	VOLUME	462189.577	3772860.976	380.75
LOCATION	L0001603	VOLUME	462191.576	3772861.032	380.76
LOCATION	L0001604	VOLUME	462193.576	3772861.089	380.77
LOCATION	L0001605	VOLUME	462195.575	3772861.145	380.77
LOCATION	L0001606	VOLUME	462197.574	3772861.202	380.77
LOCATION	L0001607	VOLUME	462199.573	3772861.259	380.77
LOCATION	L0001608	VOLUME	462201.572	3772861.315	380.77
LOCATION	L0001609	VOLUME	462203.572	3772861.372	380.77
LOCATION	L0001610	VOLUME	462205.571	3772861.428	380.77
LOCATION	L0001611	VOLUME	462207.570	3772861.485	380.77
LOCATION	L0001612	VOLUME	462209.569	3772861.541	380.77
LOCATION	L0001613	VOLUME	462211.568	3772861.598	380.77
LOCATION	L0001614	VOLUME	462213.568	3772861.654	380.77
LOCATION	L0001615	VOLUME	462215.567	3772861.711	380.77
LOCATION	L0001616	VOLUME	462217.566	3772861.768	380.77
LOCATION	L0001617	VOLUME	462219.565	3772861.824	380.76
LOCATION	L0001618	VOLUME	462221.564	3772861.881	380.74
LOCATION	L0001619	VOLUME	462223.564	3772861.937	380.73
LOCATION	L0001620	VOLUME	462225.563	3772861.994	380.72
LOCATION	L0001621	VOLUME	462227.562	3772862.050	380.71
LOCATION	L0001622	VOLUME	462229.561	3772862.107	380.69
LOCATION	L0001623	VOLUME	462231.560	3772862.164	380.68
LOCATION	L0001624	VOLUME	462233.560	3772862.220	380.67
LOCATION	L0001625	VOLUME	462235.559	3772862.277	380.65
LOCATION	L0001626	VOLUME	462237.558	3772862.333	380.64
LOCATION	L0001627	VOLUME	462239.557	3772862.390	380.63
LOCATION	L0001628	VOLUME	462241.556	3772862.446	380.61
LOCATION	L0001629	VOLUME	462243.556	3772862.503	380.60
LOCATION	L0001630	VOLUME	462245.555	3772862.559	380.60

LOCATION	L0001631	VOLUME	462247.554	3772862.616	380.59
LOCATION	L0001632	VOLUME	462249.553	3772862.673	380.59
LOCATION	L0001633	VOLUME	462251.552	3772862.729	380.58
LOCATION	L0001634	VOLUME	462253.552	3772862.786	380.58
LOCATION	L0001635	VOLUME	462255.551	3772862.842	380.58
LOCATION	L0001636	VOLUME	462257.550	3772862.899	380.57
LOCATION	L0001637	VOLUME	462259.549	3772862.955	380.57
LOCATION	L0001638	VOLUME	462261.548	3772863.012	380.57
LOCATION	L0001639	VOLUME	462263.548	3772863.069	380.56
LOCATION	L0001640	VOLUME	462265.547	3772863.125	380.56
LOCATION	L0001641	VOLUME	462267.546	3772863.182	380.55
LOCATION	L0001642	VOLUME	462269.545	3772863.238	380.55
LOCATION	L0001643	VOLUME	462271.544	3772863.295	380.55
LOCATION	L0001644	VOLUME	462273.544	3772863.351	380.55
LOCATION	L0001645	VOLUME	462275.543	3772863.408	380.54
LOCATION	L0001646	VOLUME	462277.542	3772863.464	380.54
LOCATION	L0001647	VOLUME	462279.541	3772863.521	380.54
LOCATION	L0001648	VOLUME	462281.540	3772863.578	380.54
LOCATION	L0001649	VOLUME	462283.540	3772863.634	380.54
LOCATION	L0001650	VOLUME	462285.539	3772863.691	380.53
LOCATION	L0001651	VOLUME	462287.538	3772863.747	380.53
LOCATION	L0001652	VOLUME	462289.537	3772863.804	380.53
LOCATION	L0001653	VOLUME	462291.536	3772863.860	380.53
LOCATION	L0001654	VOLUME	462293.536	3772863.917	380.53
LOCATION	L0001655	VOLUME	462295.535	3772863.973	380.52
LOCATION	L0001656	VOLUME	462297.534	3772864.030	380.52
LOCATION	L0001657	VOLUME	462299.533	3772864.087	380.51
LOCATION	L0001658	VOLUME	462301.532	3772864.143	380.50
LOCATION	L0001659	VOLUME	462303.532	3772864.200	380.50
LOCATION	L0001660	VOLUME	462305.531	3772864.256	380.49
LOCATION	L0001661	VOLUME	462307.530	3772864.313	380.48
LOCATION	L0001662	VOLUME	462309.529	3772864.369	380.48
LOCATION	L0001663	VOLUME	462311.528	3772864.426	380.47
LOCATION	L0001664	VOLUME	462313.528	3772864.483	380.46
LOCATION	L0001665	VOLUME	462315.527	3772864.539	380.46
LOCATION	L0001666	VOLUME	462317.526	3772864.596	380.45
LOCATION	L0001667	VOLUME	462319.525	3772864.652	380.44
LOCATION	L0001668	VOLUME	462321.524	3772864.709	380.44
LOCATION	L0001669	VOLUME	462323.524	3772864.765	380.43
LOCATION	L0001670	VOLUME	462325.523	3772864.822	380.43
LOCATION	L0001671	VOLUME	462327.522	3772864.878	380.43
LOCATION	L0001672	VOLUME	462329.521	3772864.935	380.42
LOCATION	L0001673	VOLUME	462331.520	3772864.992	380.42
LOCATION	L0001674	VOLUME	462333.520	3772865.048	380.42
LOCATION	L0001675	VOLUME	462335.519	3772865.105	380.41
LOCATION	L0001676	VOLUME	462337.518	3772865.161	380.41
LOCATION	L0001677	VOLUME	462339.517	3772865.218	380.40
LOCATION	L0001678	VOLUME	462341.516	3772865.274	380.40

LOCATION	L0001679	VOLUME	462343.516	3772865.331	380.40
LOCATION	L0001680	VOLUME	462345.515	3772865.387	380.39
LOCATION	L0001681	VOLUME	462347.514	3772865.444	380.39
LOCATION	L0001682	VOLUME	462349.513	3772865.501	380.39
LOCATION	L0001683	VOLUME	462351.512	3772865.557	380.39
LOCATION	L0001684	VOLUME	462353.512	3772865.614	380.38
LOCATION	L0001685	VOLUME	462355.511	3772865.670	380.38
LOCATION	L0001686	VOLUME	462357.510	3772865.727	380.38
LOCATION	L0001687	VOLUME	462359.509	3772865.783	380.38
LOCATION	L0001688	VOLUME	462361.508	3772865.840	380.38
LOCATION	L0001689	VOLUME	462363.508	3772865.897	380.38
LOCATION	L0001690	VOLUME	462365.507	3772865.953	380.37
LOCATION	L0001691	VOLUME	462367.506	3772866.010	380.37
LOCATION	L0001692	VOLUME	462369.505	3772866.066	380.37
LOCATION	L0001693	VOLUME	462371.504	3772866.123	380.37
LOCATION	L0001694	VOLUME	462373.504	3772866.179	380.36
LOCATION	L0001695	VOLUME	462375.503	3772866.236	380.36
LOCATION	L0001696	VOLUME	462377.502	3772866.292	380.35
LOCATION	L0001697	VOLUME	462379.501	3772866.349	380.35
LOCATION	L0001698	VOLUME	462381.500	3772866.406	380.34
LOCATION	L0001699	VOLUME	462383.500	3772866.462	380.34
LOCATION	L0001700	VOLUME	462385.499	3772866.519	380.33
LOCATION	L0001701	VOLUME	462387.498	3772866.575	380.32
LOCATION	L0001702	VOLUME	462389.497	3772866.632	380.32
LOCATION	L0001703	VOLUME	462391.496	3772866.688	380.31
LOCATION	L0001704	VOLUME	462393.496	3772866.745	380.31
LOCATION	L0001705	VOLUME	462395.495	3772866.802	380.30
LOCATION	L0001706	VOLUME	462397.494	3772866.858	380.29
LOCATION	L0001707	VOLUME	462399.493	3772866.915	380.29
LOCATION	L0001708	VOLUME	462401.492	3772866.971	380.28
LOCATION	L0001709	VOLUME	462403.492	3772867.028	380.28
LOCATION	L0001710	VOLUME	462405.491	3772867.084	380.27
LOCATION	L0001711	VOLUME	462407.490	3772867.141	380.27
LOCATION	L0001712	VOLUME	462409.489	3772867.197	380.26
LOCATION	L0001713	VOLUME	462411.488	3772867.254	380.26
LOCATION	L0001714	VOLUME	462413.488	3772867.311	380.25
LOCATION	L0001715	VOLUME	462415.487	3772867.367	380.25
LOCATION	L0001716	VOLUME	462417.486	3772867.424	380.24
LOCATION	L0001717	VOLUME	462419.485	3772867.480	380.24
LOCATION	L0001718	VOLUME	462421.484	3772867.537	380.23
LOCATION	L0001719	VOLUME	462423.484	3772867.593	380.23
LOCATION	L0001720	VOLUME	462425.483	3772867.650	380.22
LOCATION	L0001721	VOLUME	462427.482	3772867.706	380.22
LOCATION	L0001722	VOLUME	462429.481	3772867.763	380.21
LOCATION	L0001723	VOLUME	462431.480	3772867.820	380.20
LOCATION	L0001724	VOLUME	462433.480	3772867.876	380.20
LOCATION	L0001725	VOLUME	462435.479	3772867.933	380.19
LOCATION	L0001726	VOLUME	462437.478	3772867.989	380.19

LOCATION	L0001727	VOLUME	462439.477	3772868.046	380.18
LOCATION	L0001728	VOLUME	462441.476	3772868.102	380.18
LOCATION	L0001729	VOLUME	462443.476	3772868.159	380.17
LOCATION	L0001730	VOLUME	462445.475	3772868.216	380.16
LOCATION	L0001731	VOLUME	462447.474	3772868.272	380.16
LOCATION	L0001732	VOLUME	462449.473	3772868.329	380.15
LOCATION	L0001733	VOLUME	462451.472	3772868.385	380.14
LOCATION	L0001734	VOLUME	462453.472	3772868.442	380.13
LOCATION	L0001735	VOLUME	462455.471	3772868.498	380.12
LOCATION	L0001736	VOLUME	462457.470	3772868.555	380.11
LOCATION	L0001737	VOLUME	462459.469	3772868.611	380.10
LOCATION	L0001738	VOLUME	462461.468	3772868.668	380.10
LOCATION	L0001739	VOLUME	462463.468	3772868.725	380.09
LOCATION	L0001740	VOLUME	462465.467	3772868.781	380.08
LOCATION	L0001741	VOLUME	462467.466	3772868.838	380.07
LOCATION	L0001742	VOLUME	462469.465	3772868.894	380.06
LOCATION	L0001743	VOLUME	462471.464	3772868.951	380.05
LOCATION	L0001744	VOLUME	462473.464	3772869.007	380.04
LOCATION	L0001745	VOLUME	462475.463	3772869.064	380.03
LOCATION	L0001746	VOLUME	462477.462	3772869.121	380.03
LOCATION	L0001747	VOLUME	462479.461	3772869.177	380.03
LOCATION	L0001748	VOLUME	462481.460	3772869.234	380.02
LOCATION	L0001749	VOLUME	462483.460	3772869.290	380.02
LOCATION	L0001750	VOLUME	462485.459	3772869.347	380.02
LOCATION	L0001751	VOLUME	462487.458	3772869.403	380.02
LOCATION	L0001752	VOLUME	462489.457	3772869.460	380.01
LOCATION	L0001753	VOLUME	462491.456	3772869.516	380.01
LOCATION	L0001754	VOLUME	462493.456	3772869.573	380.01
LOCATION	L0001755	VOLUME	462495.455	3772869.630	380.01
LOCATION	L0001756	VOLUME	462497.454	3772869.686	380.00
LOCATION	L0001757	VOLUME	462499.453	3772869.743	380.00
LOCATION	L0001758	VOLUME	462501.452	3772869.799	380.00
LOCATION	L0001759	VOLUME	462503.452	3772869.856	379.99
LOCATION	L0001760	VOLUME	462505.451	3772869.912	379.99
LOCATION	L0001761	VOLUME	462507.450	3772869.969	379.98
LOCATION	L0001762	VOLUME	462509.449	3772870.025	379.98
LOCATION	L0001763	VOLUME	462511.448	3772870.082	379.97
LOCATION	L0001764	VOLUME	462513.448	3772870.139	379.97
LOCATION	L0001765	VOLUME	462515.447	3772870.195	379.96
LOCATION	L0001766	VOLUME	462517.446	3772870.252	379.96
LOCATION	L0001767	VOLUME	462519.445	3772870.308	379.95
LOCATION	L0001768	VOLUME	462521.444	3772870.365	379.95
LOCATION	L0001769	VOLUME	462523.444	3772870.421	379.94
LOCATION	L0001770	VOLUME	462525.443	3772870.478	379.94
LOCATION	L0001771	VOLUME	462527.442	3772870.535	379.93
LOCATION	L0001772	VOLUME	462529.441	3772870.591	379.91
LOCATION	L0001773	VOLUME	462531.440	3772870.648	379.90
LOCATION	L0001774	VOLUME	462533.440	3772870.704	379.89

LOCATION	L0001775	VOLUME	462535.439	3772870.761	379.87
LOCATION	L0001776	VOLUME	462537.438	3772870.817	379.86
LOCATION	L0001777	VOLUME	462539.437	3772870.874	379.85
LOCATION	L0001778	VOLUME	462541.436	3772870.930	379.83
LOCATION	L0001779	VOLUME	462543.436	3772870.987	379.82
LOCATION	L0001780	VOLUME	462545.435	3772871.044	379.81
LOCATION	L0001781	VOLUME	462547.434	3772871.100	379.79
LOCATION	L0001782	VOLUME	462549.433	3772871.157	379.78
LOCATION	L0001783	VOLUME	462551.432	3772871.213	379.77
LOCATION	L0001784	VOLUME	462553.432	3772871.270	379.76
LOCATION	L0001785	VOLUME	462555.431	3772871.326	379.74
LOCATION	L0001786	VOLUME	462557.430	3772871.383	379.73
LOCATION	L0001787	VOLUME	462559.429	3772871.439	379.72
LOCATION	L0001788	VOLUME	462561.428	3772871.496	379.71
LOCATION	L0001789	VOLUME	462563.428	3772871.553	379.69
LOCATION	L0001790	VOLUME	462565.427	3772871.609	379.68
LOCATION	L0001791	VOLUME	462567.426	3772871.666	379.67
LOCATION	L0001792	VOLUME	462569.425	3772871.722	379.66
LOCATION	L0001793	VOLUME	462571.424	3772871.779	379.65
LOCATION	L0001794	VOLUME	462573.424	3772871.835	379.64
LOCATION	L0001795	VOLUME	462575.423	3772871.892	379.62
LOCATION	L0001796	VOLUME	462577.422	3772871.949	379.61
LOCATION	L0001797	VOLUME	462579.421	3772872.005	379.60
LOCATION	L0001798	VOLUME	462581.420	3772872.062	379.59
LOCATION	L0001799	VOLUME	462583.420	3772872.118	379.58
LOCATION	L0001800	VOLUME	462585.419	3772872.175	379.57
LOCATION	L0001801	VOLUME	462587.418	3772872.231	379.55
LOCATION	L0001802	VOLUME	462589.417	3772872.288	379.54
LOCATION	L0001803	VOLUME	462591.416	3772872.344	379.53
LOCATION	L0001804	VOLUME	462593.416	3772872.401	379.52
LOCATION	L0001805	VOLUME	462595.415	3772872.458	379.51
LOCATION	L0001806	VOLUME	462597.414	3772872.514	379.49
LOCATION	L0001807	VOLUME	462599.413	3772872.571	379.48
LOCATION	L0001808	VOLUME	462601.412	3772872.627	379.47
LOCATION	L0001809	VOLUME	462603.412	3772872.684	379.46
LOCATION	L0001810	VOLUME	462605.411	3772872.740	379.45
LOCATION	L0001811	VOLUME	462607.410	3772872.797	379.43
LOCATION	L0001812	VOLUME	462609.409	3772872.854	379.42
LOCATION	L0001813	VOLUME	462611.408	3772872.910	379.41
LOCATION	L0001814	VOLUME	462613.408	3772872.967	379.40
LOCATION	L0001815	VOLUME	462615.407	3772873.023	379.38
LOCATION	L0001816	VOLUME	462617.406	3772873.080	379.37
LOCATION	L0001817	VOLUME	462619.405	3772873.136	379.36
LOCATION	L0001818	VOLUME	462621.404	3772873.193	379.35
LOCATION	L0001819	VOLUME	462623.404	3772873.249	379.33
LOCATION	L0001820	VOLUME	462625.403	3772873.306	379.32
LOCATION	L0001821	VOLUME	462627.402	3772873.363	379.31
LOCATION	L0001822	VOLUME	462629.401	3772873.419	379.30

LOCATION	L0001823	VOLUME	462631.400	3772873.476	379.30
LOCATION	L0001824	VOLUME	462633.400	3772873.532	379.29
LOCATION	L0001825	VOLUME	462635.399	3772873.589	379.29
LOCATION	L0001826	VOLUME	462637.398	3772873.645	379.28
LOCATION	L0001827	VOLUME	462639.397	3772873.702	379.28
LOCATION	L0001828	VOLUME	462641.396	3772873.758	379.28
LOCATION	L0001829	VOLUME	462643.396	3772873.815	379.27
LOCATION	L0001830	VOLUME	462645.395	3772873.872	379.27
LOCATION	L0001831	VOLUME	462647.394	3772873.928	379.27
LOCATION	L0001832	VOLUME	462649.393	3772873.985	379.26
LOCATION	L0001833	VOLUME	462651.392	3772874.041	379.26
LOCATION	L0001834	VOLUME	462653.392	3772874.098	379.26
LOCATION	L0001835	VOLUME	462655.391	3772874.154	379.25
LOCATION	L0001836	VOLUME	462657.390	3772874.211	379.25
LOCATION	L0001837	VOLUME	462659.389	3772874.268	379.24
LOCATION	L0001838	VOLUME	462661.388	3772874.324	379.24
LOCATION	L0001839	VOLUME	462663.388	3772874.381	379.24
LOCATION	L0001840	VOLUME	462665.387	3772874.437	379.23
LOCATION	L0001841	VOLUME	462667.386	3772874.494	379.23
LOCATION	L0001842	VOLUME	462669.385	3772874.550	379.22
LOCATION	L0001843	VOLUME	462671.384	3772874.607	379.22
LOCATION	L0001844	VOLUME	462673.384	3772874.663	379.22
LOCATION	L0001845	VOLUME	462675.383	3772874.720	379.21
LOCATION	L0001846	VOLUME	462677.382	3772874.777	379.21
LOCATION	L0001847	VOLUME	462679.381	3772874.833	379.20
LOCATION	L0001848	VOLUME	462681.380	3772874.890	379.20
LOCATION	L0001849	VOLUME	462683.380	3772874.946	379.19
LOCATION	L0001850	VOLUME	462685.379	3772875.003	379.18
LOCATION	L0001851	VOLUME	462687.378	3772875.059	379.18
LOCATION	L0001852	VOLUME	462689.377	3772875.116	379.17
LOCATION	L0001853	VOLUME	462691.376	3772875.172	379.16
LOCATION	L0001854	VOLUME	462693.376	3772875.229	379.16
LOCATION	L0001855	VOLUME	462695.375	3772875.286	379.15
LOCATION	L0001856	VOLUME	462697.374	3772875.342	379.15
LOCATION	L0001857	VOLUME	462699.373	3772875.399	379.14
LOCATION	L0001858	VOLUME	462701.372	3772875.455	379.13
LOCATION	L0001859	VOLUME	462703.372	3772875.512	379.13
LOCATION	L0001860	VOLUME	462705.371	3772875.568	379.12
LOCATION	L0001861	VOLUME	462707.370	3772875.625	379.11
LOCATION	L0001862	VOLUME	462709.369	3772875.682	379.11
LOCATION	L0001863	VOLUME	462711.368	3772875.738	379.10
LOCATION	L0001864	VOLUME	462713.368	3772875.795	379.10
LOCATION	L0001865	VOLUME	462715.367	3772875.851	379.09
LOCATION	L0001866	VOLUME	462717.366	3772875.908	379.08
LOCATION	L0001867	VOLUME	462719.365	3772875.964	379.08
LOCATION	L0001868	VOLUME	462721.364	3772876.021	379.07
LOCATION	L0001869	VOLUME	462723.364	3772876.077	379.07
LOCATION	L0001870	VOLUME	462725.363	3772876.134	379.06

LOCATION	L0001871	VOLUME	462727.362	3772876.191	379.05
LOCATION	L0001872	VOLUME	462729.361	3772876.247	379.05
LOCATION	L0001873	VOLUME	462731.360	3772876.304	379.04
LOCATION	L0001874	VOLUME	462733.360	3772876.360	379.04
LOCATION	L0001875	VOLUME	462735.359	3772876.417	379.04
LOCATION	L0001876	VOLUME	462737.358	3772876.473	379.03
LOCATION	L0001877	VOLUME	462739.357	3772876.530	379.03
LOCATION	L0001878	VOLUME	462741.356	3772876.587	379.03
LOCATION	L0001879	VOLUME	462743.356	3772876.643	379.02
LOCATION	L0001880	VOLUME	462745.355	3772876.700	379.02
LOCATION	L0001881	VOLUME	462747.354	3772876.756	379.02
LOCATION	L0001882	VOLUME	462749.353	3772876.813	379.01
LOCATION	L0001883	VOLUME	462751.352	3772876.869	379.01
LOCATION	L0001884	VOLUME	462753.352	3772876.926	379.01
LOCATION	L0001885	VOLUME	462755.351	3772876.982	379.00
LOCATION	L0001886	VOLUME	462757.350	3772877.039	379.00
LOCATION	L0001887	VOLUME	462759.349	3772877.096	379.00
LOCATION	L0001888	VOLUME	462761.348	3772877.152	378.99
LOCATION	L0001889	VOLUME	462763.348	3772877.209	378.99
LOCATION	L0001890	VOLUME	462765.347	3772877.265	378.98
LOCATION	L0001891	VOLUME	462767.346	3772877.322	378.98
LOCATION	L0001892	VOLUME	462769.345	3772877.378	378.97
LOCATION	L0001893	VOLUME	462771.344	3772877.435	378.97
LOCATION	L0001894	VOLUME	462773.344	3772877.491	378.96
LOCATION	L0001895	VOLUME	462775.343	3772877.548	378.96
LOCATION	L0001896	VOLUME	462777.342	3772877.605	378.95
LOCATION	L0001897	VOLUME	462779.341	3772877.661	378.95
LOCATION	L0001898	VOLUME	462781.340	3772877.718	378.94
LOCATION	L0001899	VOLUME	462783.340	3772877.774	378.94
LOCATION	L0001900	VOLUME	462785.339	3772877.831	378.93
LOCATION	L0001901	VOLUME	462787.338	3772877.887	378.93
LOCATION	L0001902	VOLUME	462789.337	3772877.944	378.93
LOCATION	L0001903	VOLUME	462791.336	3772878.001	378.92
LOCATION	L0001904	VOLUME	462793.336	3772878.057	378.92
LOCATION	L0001905	VOLUME	462795.335	3772878.114	378.91
LOCATION	L0001906	VOLUME	462797.334	3772878.170	378.91
LOCATION	L0001907	VOLUME	462799.333	3772878.227	378.91
LOCATION	L0001908	VOLUME	462801.332	3772878.283	378.90
LOCATION	L0001909	VOLUME	462803.332	3772878.340	378.90
LOCATION	L0001910	VOLUME	462805.331	3772878.396	378.90
LOCATION	L0001911	VOLUME	462807.330	3772878.453	378.89
LOCATION	L0001912	VOLUME	462809.329	3772878.510	378.89
LOCATION	L0001913	VOLUME	462811.328	3772878.566	378.88
LOCATION	L0001914	VOLUME	462813.328	3772878.623	378.87
LOCATION	L0001915	VOLUME	462815.327	3772878.679	378.86
LOCATION	L0001916	VOLUME	462817.326	3772878.736	378.86
LOCATION	L0001917	VOLUME	462819.325	3772878.792	378.85
LOCATION	L0001918	VOLUME	462821.324	3772878.849	378.84

LOCATION	L0001919	VOLUME	462823.324	3772878.905	378.84
LOCATION	L0001920	VOLUME	462825.323	3772878.962	378.83
LOCATION	L0001921	VOLUME	462827.322	3772879.019	378.82
LOCATION	L0001922	VOLUME	462829.321	3772879.075	378.81
LOCATION	L0001923	VOLUME	462831.320	3772879.132	378.81
LOCATION	L0001924	VOLUME	462833.320	3772879.188	378.80
LOCATION	L0001925	VOLUME	462835.319	3772879.245	378.80
LOCATION	L0001926	VOLUME	462837.318	3772879.301	378.79
LOCATION	L0001927	VOLUME	462839.317	3772879.358	378.79
LOCATION	L0001928	VOLUME	462841.316	3772879.415	378.79
LOCATION	L0001929	VOLUME	462843.316	3772879.471	378.78
LOCATION	L0001930	VOLUME	462845.315	3772879.528	378.78
LOCATION	L0001931	VOLUME	462847.314	3772879.584	378.77
LOCATION	L0001932	VOLUME	462849.313	3772879.641	378.77
LOCATION	L0001933	VOLUME	462851.312	3772879.697	378.77
LOCATION	L0001934	VOLUME	462853.312	3772879.754	378.76
LOCATION	L0001935	VOLUME	462855.311	3772879.810	378.76
LOCATION	L0001936	VOLUME	462857.310	3772879.867	378.76
LOCATION	L0001937	VOLUME	462859.309	3772879.924	378.75
LOCATION	L0001938	VOLUME	462861.308	3772879.980	378.75
LOCATION	L0001939	VOLUME	462863.308	3772880.037	378.74
LOCATION	L0001940	VOLUME	462865.307	3772880.093	378.73
LOCATION	L0001941	VOLUME	462867.306	3772880.150	378.73
LOCATION	L0001942	VOLUME	462869.305	3772880.206	378.72
LOCATION	L0001943	VOLUME	462871.304	3772880.263	378.72
LOCATION	L0001944	VOLUME	462873.304	3772880.320	378.71
LOCATION	L0001945	VOLUME	462875.303	3772880.376	378.70
LOCATION	L0001946	VOLUME	462877.302	3772880.433	378.70
LOCATION	L0001947	VOLUME	462879.301	3772880.489	378.69
LOCATION	L0001948	VOLUME	462881.300	3772880.546	378.69
LOCATION	L0001949	VOLUME	462883.300	3772880.602	378.68
LOCATION	L0001950	VOLUME	462885.299	3772880.659	378.68
LOCATION	L0001951	VOLUME	462887.298	3772880.715	378.67
LOCATION	L0001952	VOLUME	462889.297	3772880.772	378.67
LOCATION	L0001953	VOLUME	462891.296	3772880.829	378.66
LOCATION	L0001954	VOLUME	462893.296	3772880.885	378.66
LOCATION	L0001955	VOLUME	462895.295	3772880.942	378.65
LOCATION	L0001956	VOLUME	462897.294	3772880.998	378.65
LOCATION	L0001957	VOLUME	462899.293	3772881.055	378.64
LOCATION	L0001958	VOLUME	462901.292	3772881.111	378.64
LOCATION	L0001959	VOLUME	462903.292	3772881.168	378.63
LOCATION	L0001960	VOLUME	462905.291	3772881.224	378.63
LOCATION	L0001961	VOLUME	462907.290	3772881.281	378.62
LOCATION	L0001962	VOLUME	462909.289	3772881.338	378.62
LOCATION	L0001963	VOLUME	462911.288	3772881.394	378.61
LOCATION	L0001964	VOLUME	462913.288	3772881.451	378.60
LOCATION	L0001965	VOLUME	462915.287	3772881.507	378.59
LOCATION	L0001966	VOLUME	462917.286	3772881.564	378.58

LOCATION	L0001967	VOLUME	462919.285	3772881.620	378.57
LOCATION	L0001968	VOLUME	462921.284	3772881.677	378.56
LOCATION	L0001969	VOLUME	462923.284	3772881.734	378.56
LOCATION	L0001970	VOLUME	462925.283	3772881.790	378.55
LOCATION	L0001971	VOLUME	462927.282	3772881.847	378.54
LOCATION	L0001972	VOLUME	462929.281	3772881.903	378.53
LOCATION	L0001973	VOLUME	462931.280	3772881.960	378.52
LOCATION	L0001974	VOLUME	462933.280	3772882.016	378.51
LOCATION	L0001975	VOLUME	462935.279	3772882.073	378.50
LOCATION	L0001976	VOLUME	462937.278	3772882.129	378.49
LOCATION	L0001977	VOLUME	462939.277	3772882.186	378.48
LOCATION	L0001978	VOLUME	462941.276	3772882.243	378.47
LOCATION	L0001979	VOLUME	462943.276	3772882.299	378.47
LOCATION	L0001980	VOLUME	462945.275	3772882.356	378.46
LOCATION	L0001981	VOLUME	462947.274	3772882.412	378.45
LOCATION	L0001982	VOLUME	462949.273	3772882.469	378.45
LOCATION	L0001983	VOLUME	462951.272	3772882.525	378.44
LOCATION	L0001984	VOLUME	462953.272	3772882.582	378.43
LOCATION	L0001985	VOLUME	462955.271	3772882.639	378.42
LOCATION	L0001986	VOLUME	462957.270	3772882.695	378.42
LOCATION	L0001987	VOLUME	462959.269	3772882.752	378.41
LOCATION	L0001988	VOLUME	462961.268	3772882.808	378.40
LOCATION	L0001989	VOLUME	462963.268	3772882.865	378.41
LOCATION	L0001990	VOLUME	462965.267	3772882.921	378.42
LOCATION	L0001991	VOLUME	462967.266	3772882.978	378.42
LOCATION	L0001992	VOLUME	462969.265	3772883.034	378.43
LOCATION	L0001993	VOLUME	462971.264	3772883.091	378.44
LOCATION	L0001994	VOLUME	462973.264	3772883.148	378.45
LOCATION	L0001995	VOLUME	462975.263	3772883.204	378.46
LOCATION	L0001996	VOLUME	462977.262	3772883.261	378.47
LOCATION	L0001997	VOLUME	462979.261	3772883.317	378.47
LOCATION	L0001998	VOLUME	462981.260	3772883.374	378.48
LOCATION	L0001999	VOLUME	462983.260	3772883.430	378.49
LOCATION	L0002000	VOLUME	462985.259	3772883.487	378.50
LOCATION	L0002001	VOLUME	462987.258	3772883.543	378.51
LOCATION	L0002002	VOLUME	462989.257	3772883.600	378.53
LOCATION	L0002003	VOLUME	462991.256	3772883.657	378.54
LOCATION	L0002004	VOLUME	462993.256	3772883.713	378.56
LOCATION	L0002005	VOLUME	462995.255	3772883.770	378.58
LOCATION	L0002006	VOLUME	462997.254	3772883.826	378.60
LOCATION	L0002007	VOLUME	462999.253	3772883.883	378.61
LOCATION	L0002008	VOLUME	463001.252	3772883.939	378.63
LOCATION	L0002009	VOLUME	463003.252	3772883.996	378.65
LOCATION	L0002010	VOLUME	463005.251	3772884.053	378.67
LOCATION	L0002011	VOLUME	463007.250	3772884.109	378.69
LOCATION	L0002012	VOLUME	463009.249	3772884.166	378.70
LOCATION	L0002013	VOLUME	463011.248	3772884.222	378.72
LOCATION	L0002014	VOLUME	463013.248	3772884.279	378.72

LOCATION	L0002015	VOLUME	463015.247	3772884.335	378.66
LOCATION	L0002016	VOLUME	463017.246	3772884.392	378.61
LOCATION	L0002017	VOLUME	463019.245	3772884.448	378.55
LOCATION	L0002018	VOLUME	463021.244	3772884.505	378.50
LOCATION	L0002019	VOLUME	463023.244	3772884.562	378.44
LOCATION	L0002020	VOLUME	463025.243	3772884.618	378.38
LOCATION	L0002021	VOLUME	463027.242	3772884.675	378.32
LOCATION	L0002022	VOLUME	463029.241	3772884.731	378.26
LOCATION	L0002023	VOLUME	463031.240	3772884.788	378.21
LOCATION	L0002024	VOLUME	463033.240	3772884.844	378.15
LOCATION	L0002025	VOLUME	463035.239	3772884.901	378.09
LOCATION	L0002026	VOLUME	463037.238	3772884.957	378.03
LOCATION	L0002027	VOLUME	463039.237	3772885.014	377.99
LOCATION	L0002028	VOLUME	463041.236	3772885.071	377.97
LOCATION	L0002029	VOLUME	463043.236	3772885.127	377.96
LOCATION	L0002030	VOLUME	463045.235	3772885.184	377.94
LOCATION	L0002031	VOLUME	463047.234	3772885.240	377.93
LOCATION	L0002032	VOLUME	463049.233	3772885.297	377.91
LOCATION	L0002033	VOLUME	463051.232	3772885.353	377.90
LOCATION	L0002034	VOLUME	463053.232	3772885.410	377.88
LOCATION	L0002035	VOLUME	463055.231	3772885.467	377.87
LOCATION	L0002036	VOLUME	463057.230	3772885.523	377.85
LOCATION	L0002037	VOLUME	463059.229	3772885.580	377.84
LOCATION	L0002038	VOLUME	463061.228	3772885.636	377.82
LOCATION	L0002039	VOLUME	463063.228	3772885.693	377.81
LOCATION	L0002040	VOLUME	463065.227	3772885.749	377.82
LOCATION	L0002041	VOLUME	463067.226	3772885.806	377.85
LOCATION	L0002042	VOLUME	463069.225	3772885.862	377.89
LOCATION	L0002043	VOLUME	463071.224	3772885.919	377.92
LOCATION	L0002044	VOLUME	463073.224	3772885.976	377.95
LOCATION	L0002045	VOLUME	463075.223	3772886.032	377.98
LOCATION	L0002046	VOLUME	463077.222	3772886.089	378.02
LOCATION	L0002047	VOLUME	463079.221	3772886.145	378.05
LOCATION	L0002048	VOLUME	463081.220	3772886.202	378.08
LOCATION	L0002049	VOLUME	463083.220	3772886.258	378.12
LOCATION	L0002050	VOLUME	463085.219	3772886.315	378.15
LOCATION	L0002051	VOLUME	463087.218	3772886.372	378.18
LOCATION	L0002052	VOLUME	463089.217	3772886.428	378.22
LOCATION	L0002053	VOLUME	463091.216	3772886.485	378.22
LOCATION	L0002054	VOLUME	463093.216	3772886.541	378.21
LOCATION	L0002055	VOLUME	463095.215	3772886.598	378.20
LOCATION	L0002056	VOLUME	463097.214	3772886.654	378.19
LOCATION	L0002057	VOLUME	463099.213	3772886.711	378.18
LOCATION	L0002058	VOLUME	463101.212	3772886.767	378.18
LOCATION	L0002059	VOLUME	463103.212	3772886.824	378.17
LOCATION	L0002060	VOLUME	463105.211	3772886.881	378.16
LOCATION	L0002061	VOLUME	463107.210	3772886.937	378.15
LOCATION	L0002062	VOLUME	463109.209	3772886.994	378.14

LOCATION	L0002063	VOLUME	463111.208	3772887.050	378.13
LOCATION	L0002064	VOLUME	463113.208	3772887.107	378.12
LOCATION	L0002065	VOLUME	463115.207	3772887.163	378.12
LOCATION	L0002066	VOLUME	463117.206	3772887.220	378.10
LOCATION	L0002067	VOLUME	463119.205	3772887.276	378.09
LOCATION	L0002068	VOLUME	463121.204	3772887.333	378.08
LOCATION	L0002069	VOLUME	463123.204	3772887.390	378.07
LOCATION	L0002070	VOLUME	463125.203	3772887.446	378.05
LOCATION	L0002071	VOLUME	463127.202	3772887.503	378.04
LOCATION	L0002072	VOLUME	463129.201	3772887.559	378.03
LOCATION	L0002073	VOLUME	463131.200	3772887.616	378.02
LOCATION	L0002074	VOLUME	463133.200	3772887.672	378.01
LOCATION	L0002075	VOLUME	463135.199	3772887.729	377.99
LOCATION	L0002076	VOLUME	463137.198	3772887.786	377.98
LOCATION	L0002077	VOLUME	463139.197	3772887.842	377.97
LOCATION	L0002078	VOLUME	463141.196	3772887.899	377.96
LOCATION	L0002079	VOLUME	463143.196	3772887.955	377.95
LOCATION	L0002080	VOLUME	463145.195	3772888.012	377.94
LOCATION	L0002081	VOLUME	463147.194	3772888.068	377.93
LOCATION	L0002082	VOLUME	463149.193	3772888.125	377.93
LOCATION	L0002083	VOLUME	463151.192	3772888.181	377.92
LOCATION	L0002084	VOLUME	463153.192	3772888.238	377.91
LOCATION	L0002085	VOLUME	463155.191	3772888.295	377.91
LOCATION	L0002086	VOLUME	463157.190	3772888.351	377.90
LOCATION	L0002087	VOLUME	463159.189	3772888.408	377.89
LOCATION	L0002088	VOLUME	463161.188	3772888.464	377.88
LOCATION	L0002089	VOLUME	463163.188	3772888.521	377.88
LOCATION	L0002090	VOLUME	463165.187	3772888.577	377.87
LOCATION	L0002091	VOLUME	463167.186	3772888.634	377.86
LOCATION	L0002092	VOLUME	463169.185	3772888.690	377.86
LOCATION	L0002093	VOLUME	463171.184	3772888.747	377.85
LOCATION	L0002094	VOLUME	463173.184	3772888.804	377.85
LOCATION	L0002095	VOLUME	463175.183	3772888.860	377.85
LOCATION	L0002096	VOLUME	463177.182	3772888.917	377.84
LOCATION	L0002097	VOLUME	463179.181	3772888.973	377.84
LOCATION	L0002098	VOLUME	463181.180	3772889.030	377.84
LOCATION	L0002099	VOLUME	463183.180	3772889.086	377.83
LOCATION	L0002100	VOLUME	463185.179	3772889.143	377.83
LOCATION	L0002101	VOLUME	463187.178	3772889.200	377.83
LOCATION	L0002102	VOLUME	463189.177	3772889.256	377.82
LOCATION	L0002103	VOLUME	463191.176	3772889.313	377.82
LOCATION	L0002104	VOLUME	463193.176	3772889.369	377.82
LOCATION	L0002105	VOLUME	463195.175	3772889.426	377.82
LOCATION	L0002106	VOLUME	463197.174	3772889.482	377.82
LOCATION	L0002107	VOLUME	463199.173	3772889.539	377.82
LOCATION	L0002108	VOLUME	463201.172	3772889.595	377.83
LOCATION	L0002109	VOLUME	463203.172	3772889.652	377.83
LOCATION	L0002110	VOLUME	463205.171	3772889.709	377.83

LOCATION	L0002111	VOLUME	463207.170	3772889.765	377.83
LOCATION	L0002112	VOLUME	463209.169	3772889.822	377.83
LOCATION	L0002113	VOLUME	463211.168	3772889.878	377.84
LOCATION	L0002114	VOLUME	463213.168	3772889.935	377.84
LOCATION	L0002115	VOLUME	463215.167	3772889.991	377.84
LOCATION	L0002116	VOLUME	463217.166	3772890.048	377.84
LOCATION	L0002117	VOLUME	463219.165	3772890.105	377.84
LOCATION	L0002118	VOLUME	463221.164	3772890.161	377.84
LOCATION	L0002119	VOLUME	463223.164	3772890.218	377.84
LOCATION	L0002120	VOLUME	463225.163	3772890.274	377.84
LOCATION	L0002121	VOLUME	463227.162	3772890.331	377.84
LOCATION	L0002122	VOLUME	463229.161	3772890.387	377.84
LOCATION	L0002123	VOLUME	463231.160	3772890.444	377.84
LOCATION	L0002124	VOLUME	463233.160	3772890.500	377.84
LOCATION	L0002125	VOLUME	463235.159	3772890.557	377.83
LOCATION	L0002126	VOLUME	463237.158	3772890.614	377.83
LOCATION	L0002127	VOLUME	463239.157	3772890.670	377.83
LOCATION	L0002128	VOLUME	463241.156	3772890.727	377.83
LOCATION	L0002129	VOLUME	463243.156	3772890.783	377.83
LOCATION	L0002130	VOLUME	463245.155	3772890.840	377.83
LOCATION	L0002131	VOLUME	463247.154	3772890.896	377.82
LOCATION	L0002132	VOLUME	463249.153	3772890.953	377.82
LOCATION	L0002133	VOLUME	463251.152	3772891.009	377.81
LOCATION	L0002134	VOLUME	463253.152	3772891.066	377.81
LOCATION	L0002135	VOLUME	463255.151	3772891.123	377.80
LOCATION	L0002136	VOLUME	463257.150	3772891.179	377.80
LOCATION	L0002137	VOLUME	463259.149	3772891.236	377.79
LOCATION	L0002138	VOLUME	463261.148	3772891.292	377.79
LOCATION	L0002139	VOLUME	463263.148	3772891.349	377.78
LOCATION	L0002140	VOLUME	463265.147	3772891.405	377.78
LOCATION	L0002141	VOLUME	463267.146	3772891.462	377.77
LOCATION	L0002142	VOLUME	463269.145	3772891.519	377.77
LOCATION	L0002143	VOLUME	463271.144	3772891.575	377.76
LOCATION	L0002144	VOLUME	463273.144	3772891.632	377.76
LOCATION	L0002145	VOLUME	463275.143	3772891.688	377.75
LOCATION	L0002146	VOLUME	463277.142	3772891.745	377.75
LOCATION	L0002147	VOLUME	463279.141	3772891.801	377.75
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LOCATION	L0002149	VOLUME	463283.140	3772891.914	377.74
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SRCPARAM	L0002229	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002230	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002231	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002232	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002233	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002234	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002235	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002236	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002237	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002238	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002239	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002240	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002241	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002242	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002243	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002244	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002245	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002246	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002247	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002248	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002249	0.000001474	4.50	0.93	4.88

SRCPARAM	L0002250	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002251	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002252	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002253	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002254	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002255	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002256	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002257	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002258	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002259	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002260	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002261	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002262	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002263	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002264	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002265	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002266	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002267	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002268	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002269	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002270	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002271	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002272	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002273	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002274	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002275	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002276	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002277	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002278	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002279	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002280	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002281	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002282	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002283	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002284	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002285	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002286	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002287	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002288	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002289	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002290	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002291	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002292	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002293	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002294	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002295	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002296	0.000001474	4.50	0.93	4.88
SRCPARAM	L0002297	0.000001474	4.50	0.93	4.88

```
   SRCPARAM L0002298     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002299     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002300     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002301     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002302     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002303     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002304     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002305     0.000001474      4.50      0.93      4.88
   SRCPARAM L0002306     0.000001474      4.50      0.93      4.88
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "Palmetto Replacement Site.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE FONT_V9_ADJU\FONT_v9.SFC
   PROFFILE FONT_V9_ADJU\FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Palmetto Replacement Site.AD\01H1GALL.PLT" 31
```

```
                          Palmetto Replacement Site.ADO
   PLOTFILE 24 ALL 1ST "Palmetto Replacement Site.AD\24H1GALL.PLT" 32
   PLOTFILE ANNUAL ALL "Palmetto Replacement Site.AD\AN00GALL.PLT" 33
   SUMMFILE "Palmetto Replacement Site.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186    4691       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    4691       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:21:03

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                             ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
```

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for  2306 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:   2306 Source(s);       1 Source Group(s); and      46
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:   2306 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      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

Palmetto Replacement Site.ADO
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 367.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Palmetto Replacement Site.err

**File for Summary of Results: Palmetto Replacement Site.sum

*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000001	0	0.14740E-05	458988.9	3772770.4	379.3	4.50	0.93	4.88	YES	
L0000002	0	0.14740E-05	458990.9	3772770.5	379.3	4.50	0.93			

L0000003	0	0.14740E-05	458992.9	3772770.5	379.3	4.50	0.93	4.88	YES
L0000004	0	0.14740E-05	458994.9	3772770.6	379.3	4.50	0.93	4.88	YES
L0000005	0	0.14740E-05	458996.9	3772770.6	379.3	4.50	0.93	4.88	YES
L0000006	0	0.14740E-05	458998.9	3772770.7	379.3	4.50	0.93	4.88	YES
L0000007	0	0.14740E-05	459000.9	3772770.8	379.3	4.50	0.93	4.88	YES
L0000008	0	0.14740E-05	459002.9	3772770.8	379.3	4.50	0.93	4.88	YES
L0000009	0	0.14740E-05	459004.9	3772770.9	379.3	4.50	0.93	4.88	YES
L0000010	0	0.14740E-05	459006.9	3772770.9	379.3	4.50	0.93	4.88	YES
L0000011	0	0.14740E-05	459008.8	3772771.0	379.3	4.50	0.93	4.88	YES
L0000012	0	0.14740E-05	459010.8	3772771.0	379.3	4.50	0.93	4.88	YES
L0000013	0	0.14740E-05	459012.8	3772771.1	379.3	4.50	0.93	4.88	YES
L0000014	0	0.14740E-05	459014.8	3772771.2	379.3	4.50	0.93	4.88	YES
L0000015	0	0.14740E-05	459016.8	3772771.2	379.3	4.50	0.93	4.88	YES
L0000016	0	0.14740E-05	459018.8	3772771.3	379.3	4.50	0.93	4.88	YES
L0000017	0	0.14740E-05	459020.8	3772771.3	379.3	4.50	0.93	4.88	YES
L0000018	0	0.14740E-05	459022.8	3772771.4	379.3	4.50	0.93	4.88	YES
L0000019	0	0.14740E-05	459024.8	3772771.4	379.3	4.50	0.93	4.88	YES
L0000020	0	0.14740E-05	459026.8	3772771.5	379.3	4.50	0.93	4.88	YES
L0000021	0	0.14740E-05	459028.8	3772771.6	379.3	4.50	0.93	4.88	YES
L0000022	0	0.14740E-05	459030.8	3772771.6	379.3	4.50	0.93	4.88	YES
L0000023	0	0.14740E-05	459032.8	3772771.7	379.3	4.50	0.93	4.88	YES
L0000024	0	0.14740E-05	459034.8	3772771.7	379.3	4.50	0.93	4.88	YES
L0000025	0	0.14740E-05	459036.8	3772771.8	379.3	4.50	0.93	4.88	YES
L0000026	0	0.14740E-05	459038.8	3772771.8	379.3	4.50	0.93		

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4.88     YES
 L0000027         0   0.14740E-05  459040.8 3772771.9   379.3     4.50     0.93
4.88     YES
 L0000028         0   0.14740E-05  459042.8 3772771.9   379.3     4.50     0.93
4.88     YES
 L0000029         0   0.14740E-05  459044.8 3772772.0   379.3     4.50     0.93
4.88     YES
 L0000030         0   0.14740E-05  459046.8 3772772.1   379.3     4.50     0.93
4.88     YES
 L0000031         0   0.14740E-05  459048.8 3772772.1   379.4     4.50     0.93
4.88     YES
 L0000032         0   0.14740E-05  459050.8 3772772.2   379.4     4.50     0.93
4.88     YES
 L0000033         0   0.14740E-05  459052.8 3772772.2   379.4     4.50     0.93
4.88     YES
 L0000034         0   0.14740E-05  459054.8 3772772.3   379.4     4.50     0.93
4.88     YES
 L0000035         0   0.14740E-05  459056.8 3772772.3   379.4     4.50     0.93
4.88     YES
 L0000036         0   0.14740E-05  459058.8 3772772.4   379.4     4.50     0.93
4.88     YES
 L0000037         0   0.14740E-05  459060.8 3772772.5   379.4     4.50     0.93
4.88     YES
 L0000038         0   0.14740E-05  459062.8 3772772.5   379.4     4.50     0.93
4.88     YES
 L0000039         0   0.14740E-05  459064.8 3772772.6   379.4     4.50     0.93
4.88     YES
 L0000040         0   0.14740E-05  459066.8 3772772.6   379.4     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
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L0000041	0	0.14740E-05	459068.8	3772772.7	379.4	4.50	0.93	4.88	YES
L0000042	0	0.14740E-05	459070.8	3772772.7	379.4	4.50	0.93	4.88	YES
L0000043	0	0.14740E-05	459072.8	3772772.8	379.5	4.50	0.93	4.88	YES
L0000044	0	0.14740E-05	459074.8	3772772.9	379.5	4.50	0.93	4.88	YES
L0000045	0	0.14740E-05	459076.8	3772772.9	379.5	4.50	0.93	4.88	YES
L0000046	0	0.14740E-05	459078.8	3772773.0	379.5	4.50	0.93	4.88	YES
L0000047	0	0.14740E-05	459080.8	3772773.0	379.5	4.50	0.93	4.88	YES
L0000048	0	0.14740E-05	459082.8	3772773.1	379.5	4.50	0.93	4.88	YES
L0000049	0	0.14740E-05	459084.8	3772773.1	379.5	4.50	0.93	4.88	YES
L0000050	0	0.14740E-05	459086.8	3772773.2	379.6	4.50	0.93	4.88	YES
L0000051	0	0.14740E-05	459088.8	3772773.2	379.6	4.50	0.93	4.88	YES
L0000052	0	0.14740E-05	459090.8	3772773.3	379.6	4.50	0.93	4.88	YES
L0000053	0	0.14740E-05	459092.8	3772773.4	379.6	4.50	0.93	4.88	YES
L0000054	0	0.14740E-05	459094.8	3772773.4	379.6	4.50	0.93	4.88	YES
L0000055	0	0.14740E-05	459096.8	3772773.5	379.6	4.50	0.93	4.88	YES
L0000056	0	0.14740E-05	459098.8	3772773.5	379.6	4.50	0.93	4.88	YES
L0000057	0	0.14740E-05	459100.8	3772773.6	379.7	4.50	0.93	4.88	YES
L0000058	0	0.14740E-05	459102.8	3772773.6	379.7	4.50	0.93	4.88	YES
L0000059	0	0.14740E-05	459104.8	3772773.7	379.7	4.50	0.93	4.88	YES
L0000060	0	0.14740E-05	459106.8	3772773.8	379.7	4.50	0.93	4.88	YES
L0000061	0	0.14740E-05	459108.8	3772773.8	379.7	4.50	0.93	4.88	YES
L0000062	0	0.14740E-05	459110.8	3772773.9	379.7	4.50	0.93	4.88	YES
L0000063	0	0.14740E-05	459112.8	3772773.9	379.8	4.50	0.93	4.88	YES
L0000064	0	0.14740E-05	459114.8	3772774.0	379.8	4.50	0.93		

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4.88     YES
 L0000065         0   0.14740E-05  459116.8 3772774.0   379.8     4.50     0.93
4.88     YES
 L0000066         0   0.14740E-05  459118.8 3772774.1   379.8     4.50     0.93
4.88     YES
 L0000067         0   0.14740E-05  459120.8 3772774.2   379.8     4.50     0.93
4.88     YES
 L0000068         0   0.14740E-05  459122.8 3772774.2   379.8     4.50     0.93
4.88     YES
 L0000069         0   0.14740E-05  459124.8 3772774.3   379.8     4.50     0.93
4.88     YES
 L0000070         0   0.14740E-05  459126.8 3772774.3   379.8     4.50     0.93
4.88     YES
 L0000071         0   0.14740E-05  459128.8 3772774.4   379.8     4.50     0.93
4.88     YES
 L0000072         0   0.14740E-05  459130.8 3772774.4   379.8     4.50     0.93
4.88     YES
 L0000073         0   0.14740E-05  459132.8 3772774.5   379.8     4.50     0.93
4.88     YES
 L0000074         0   0.14740E-05  459134.8 3772774.6   379.8     4.50     0.93
4.88     YES
 L0000075         0   0.14740E-05  459136.8 3772774.6   379.9     4.50     0.93
4.88     YES
 L0000076         0   0.14740E-05  459138.8 3772774.7   379.9     4.50     0.93
4.88     YES
 L0000077         0   0.14740E-05  459140.8 3772774.7   379.9     4.50     0.93
4.88     YES
 L0000078         0   0.14740E-05  459142.8 3772774.8   379.9     4.50     0.93
4.88     YES
 L0000079         0   0.14740E-05  459144.8 3772774.8   379.9     4.50     0.93
4.88     YES
 L0000080         0   0.14740E-05  459146.8 3772774.9   379.9     4.50     0.93
4.88     YES
```


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                                                    *** VOLUME SOURCE DATA ***

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

ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0000081	0	0.14740E-05	459148.8	3772774.9	379.9	4.50	0.93	4.88 YES
L0000082	0	0.14740E-05	459150.8	3772775.0	379.9	4.50	0.93	4.88 YES
L0000083	0	0.14740E-05	459152.8	3772775.1	379.9	4.50	0.93	4.88 YES
L0000084	0	0.14740E-05	459154.8	3772775.1	379.9	4.50	0.93	4.88 YES
L0000085	0	0.14740E-05	459156.8	3772775.2	379.9	4.50	0.93	4.88 YES
L0000086	0	0.14740E-05	459158.8	3772775.2	379.9	4.50	0.93	4.88 YES
L0000087	0	0.14740E-05	459160.8	3772775.3	379.9	4.50	0.93	4.88 YES
L0000088	0	0.14740E-05	459162.8	3772775.3	379.9	4.50	0.93	4.88 YES
L0000089	0	0.14740E-05	459164.8	3772775.4	379.9	4.50	0.93	4.88 YES
L0000090	0	0.14740E-05	459166.8	3772775.5	379.9	4.50	0.93	4.88 YES
L0000091	0	0.14740E-05	459168.8	3772775.5	379.9	4.50	0.93	4.88 YES
L0000092	0	0.14740E-05	459170.8	3772775.6	379.9	4.50	0.93	4.88 YES
L0000093	0	0.14740E-05	459172.8	3772775.6	380.0	4.50	0.93	4.88 YES
L0000094	0	0.14740E-05	459174.8	3772775.7	380.0	4.50	0.93	4.88 YES
L0000095	0	0.14740E-05	459176.8	3772775.7	380.0	4.50	0.93	4.88 YES
L0000096	0	0.14740E-05	459178.8	3772775.8	380.0	4.50	0.93	4.88 YES
L0000097	0	0.14740E-05	459180.8	3772775.9	380.0	4.50	0.93	4.88 YES
L0000098	0	0.14740E-05	459182.8	3772775.9	380.1	4.50	0.93	4.88 YES
L0000099	0	0.14740E-05	459184.8	3772776.0	380.1	4.50	0.93	4.88 YES
L0000100	0	0.14740E-05	459186.8	3772776.0	380.1	4.50	0.93	4.88 YES
L0000101	0	0.14740E-05	459188.8	3772776.1	380.1	4.50	0.93	4.88 YES
L0000102	0	0.14740E-05	459190.8	3772776.1	380.1	4.50	0.93	

```
4.88     YES
 L0000103         0   0.14740E-05  459192.8 3772776.2   380.1     4.50     0.93
4.88     YES
 L0000104         0   0.14740E-05  459194.8 3772776.2   380.2     4.50     0.93
4.88     YES
 L0000105         0   0.14740E-05  459196.8 3772776.3   380.2     4.50     0.93
4.88     YES
 L0000106         0   0.14740E-05  459198.8 3772776.4   380.2     4.50     0.93
4.88     YES
 L0000107         0   0.14740E-05  459200.8 3772776.4   380.2     4.50     0.93
4.88     YES
 L0000108         0   0.14740E-05  459202.8 3772776.5   380.3     4.50     0.93
4.88     YES
 L0000109         0   0.14740E-05  459204.8 3772776.5   380.3     4.50     0.93
4.88     YES
 L0000110         0   0.14740E-05  459206.8 3772776.6   380.3     4.50     0.93
4.88     YES
 L0000111         0   0.14740E-05  459208.8 3772776.6   380.4     4.50     0.93
4.88     YES
 L0000112         0   0.14740E-05  459210.8 3772776.7   380.4     4.50     0.93
4.88     YES
 L0000113         0   0.14740E-05  459212.8 3772776.8   380.4     4.50     0.93
4.88     YES
 L0000114         0   0.14740E-05  459214.8 3772776.8   380.4     4.50     0.93
4.88     YES
 L0000115         0   0.14740E-05  459216.8 3772776.9   380.5     4.50     0.93
4.88     YES
 L0000116         0   0.14740E-05  459218.8 3772776.9   380.5     4.50     0.93
4.88     YES
 L0000117         0   0.14740E-05  459220.8 3772777.0   380.5     4.50     0.93
4.88     YES
 L0000118         0   0.14740E-05  459222.8 3772777.0   380.5     4.50     0.93
4.88     YES
 L0000119         0   0.14740E-05  459224.8 3772777.1   380.6     4.50     0.93
4.88     YES
 L0000120         0   0.14740E-05  459226.8 3772777.2   380.6     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

 L0000121         0   0.14740E-05  459228.8 3772777.2   380.6     4.50     0.93
4.88     YES
 L0000122         0   0.14740E-05  459230.8 3772777.3   380.6     4.50     0.93
4.88     YES
 L0000123         0   0.14740E-05  459232.8 3772777.3   380.6     4.50     0.93
4.88     YES
 L0000124         0   0.14740E-05  459234.8 3772777.4   380.7     4.50     0.93
4.88     YES
 L0000125         0   0.14740E-05  459236.8 3772777.4   380.7     4.50     0.93
4.88     YES
 L0000126         0   0.14740E-05  459238.8 3772777.5   380.7     4.50     0.93
4.88     YES
 L0000127         0   0.14740E-05  459240.8 3772777.5   380.7     4.50     0.93
4.88     YES
 L0000128         0   0.14740E-05  459242.8 3772777.6   380.7     4.50     0.93
4.88     YES
 L0000129         0   0.14740E-05  459244.8 3772777.7   380.8     4.50     0.93
4.88     YES
 L0000130         0   0.14740E-05  459246.8 3772777.7   380.8     4.50     0.93
4.88     YES
 L0000131         0   0.14740E-05  459248.8 3772777.8   380.8     4.50     0.93
4.88     YES
 L0000132         0   0.14740E-05  459250.8 3772777.8   380.8     4.50     0.93
4.88     YES
 L0000133         0   0.14740E-05  459252.8 3772777.9   380.8     4.50     0.93
4.88     YES
 L0000134         0   0.14740E-05  459254.8 3772777.9   380.8     4.50     0.93
4.88     YES
 L0000135         0   0.14740E-05  459256.8 3772778.0   380.8     4.50     0.93
4.88     YES
 L0000136         0   0.14740E-05  459258.8 3772778.1   380.8     4.50     0.93
4.88     YES
 L0000137         0   0.14740E-05  459260.7 3772778.1   380.8     4.50     0.93
4.88     YES
 L0000138         0   0.14740E-05  459262.7 3772778.2   380.8     4.50     0.93
4.88     YES
 L0000139         0   0.14740E-05  459264.7 3772778.2   380.8     4.50     0.93
4.88     YES
 L0000140         0   0.14740E-05  459266.7 3772778.3   380.8     4.50     0.93
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4.88     YES
 L0000141         0   0.14740E-05  459268.7 3772778.3   380.8     4.50     0.93
4.88     YES
 L0000142         0   0.14740E-05  459270.7 3772778.4   380.8     4.50     0.93
4.88     YES
 L0000143         0   0.14740E-05  459272.7 3772778.5   380.8     4.50     0.93
4.88     YES
 L0000144         0   0.14740E-05  459274.7 3772778.5   380.8     4.50     0.93
4.88     YES
 L0000145         0   0.14740E-05  459276.7 3772778.6   380.8     4.50     0.93
4.88     YES
 L0000146         0   0.14740E-05  459278.7 3772778.6   380.8     4.50     0.93
4.88     YES
 L0000147         0   0.14740E-05  459280.7 3772778.7   380.8     4.50     0.93
4.88     YES
 L0000148         0   0.14740E-05  459282.7 3772778.7   380.8     4.50     0.93
4.88     YES
 L0000149         0   0.14740E-05  459284.7 3772778.8   380.8     4.50     0.93
4.88     YES
 L0000150         0   0.14740E-05  459286.7 3772778.8   380.8     4.50     0.93
4.88     YES
 L0000151         0   0.14740E-05  459288.7 3772778.9   380.8     4.50     0.93
4.88     YES
 L0000152         0   0.14740E-05  459290.7 3772779.0   380.7     4.50     0.93
4.88     YES
 L0000153         0   0.14740E-05  459292.7 3772779.0   380.7     4.50     0.93
4.88     YES
 L0000154         0   0.14740E-05  459294.7 3772779.1   380.7     4.50     0.93
4.88     YES
 L0000155         0   0.14740E-05  459296.7 3772779.1   380.7     4.50     0.93
4.88     YES
 L0000156         0   0.14740E-05  459298.7 3772779.2   380.7     4.50     0.93
4.88     YES
 L0000157         0   0.14740E-05  459300.7 3772779.2   380.7     4.50     0.93
4.88     YES
 L0000158         0   0.14740E-05  459302.7 3772779.3   380.7     4.50     0.93
4.88     YES
 L0000159         0   0.14740E-05  459304.7 3772779.4   380.7     4.50     0.93
4.88     YES
 L0000160         0   0.14740E-05  459306.7 3772779.4   380.8     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000161	0	0.14740E-05	459308.7	3772779.5	380.8	4.50	0.93	4.88	YES	
L0000162	0	0.14740E-05	459310.7	3772779.5	380.8	4.50	0.93	4.88	YES	
L0000163	0	0.14740E-05	459312.7	3772779.6	380.8	4.50	0.93	4.88	YES	
L0000164	0	0.14740E-05	459314.7	3772779.6	380.8	4.50	0.93	4.88	YES	
L0000165	0	0.14740E-05	459316.7	3772779.7	380.8	4.50	0.93	4.88	YES	
L0000166	0	0.14740E-05	459318.7	3772779.8	380.8	4.50	0.93	4.88	YES	
L0000167	0	0.14740E-05	459320.7	3772779.8	380.8	4.50	0.93	4.88	YES	
L0000168	0	0.14740E-05	459322.7	3772779.9	380.8	4.50	0.93	4.88	YES	
L0000169	0	0.14740E-05	459324.7	3772779.9	380.8	4.50	0.93	4.88	YES	
L0000170	0	0.14740E-05	459326.7	3772780.0	380.8	4.50	0.93	4.88	YES	
L0000171	0	0.14740E-05	459328.7	3772780.0	380.8	4.50	0.93	4.88	YES	
L0000172	0	0.14740E-05	459330.7	3772780.1	380.8	4.50	0.93	4.88	YES	
L0000173	0	0.14740E-05	459332.7	3772780.2	380.9	4.50	0.93	4.88	YES	
L0000174	0	0.14740E-05	459334.7	3772780.2	380.9	4.50	0.93	4.88	YES	
L0000175	0	0.14740E-05	459336.7	3772780.3	380.9	4.50	0.93	4.88	YES	
L0000176	0	0.14740E-05	459338.7	3772780.3	380.9	4.50	0.93	4.88	YES	
L0000177	0	0.14740E-05	459340.7	3772780.4	380.9	4.50	0.93	4.88	YES	
L0000178	0	0.14740E-05	459342.7	3772780.4	380.9	4.50	0.93			

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4.88     YES
 L0000179         0   0.14740E-05  459344.7 3772780.5   380.9     4.50     0.93
4.88     YES
 L0000180         0   0.14740E-05  459346.7 3772780.5   380.9     4.50     0.93
4.88     YES
 L0000181         0   0.14740E-05  459348.7 3772780.6   380.9     4.50     0.93
4.88     YES
 L0000182         0   0.14740E-05  459350.7 3772780.7   380.9     4.50     0.93
4.88     YES
 L0000183         0   0.14740E-05  459352.7 3772780.7   381.0     4.50     0.93
4.88     YES
 L0000184         0   0.14740E-05  459354.7 3772780.8   381.0     4.50     0.93
4.88     YES
 L0000185         0   0.14740E-05  459356.7 3772780.8   381.0     4.50     0.93
4.88     YES
 L0000186         0   0.14740E-05  459358.7 3772780.9   381.0     4.50     0.93
4.88     YES
 L0000187         0   0.14740E-05  459360.7 3772780.9   381.0     4.50     0.93
4.88     YES
 L0000188         0   0.14740E-05  459362.7 3772781.0   381.0     4.50     0.93
4.88     YES
 L0000189         0   0.14740E-05  459364.7 3772781.1   381.1     4.50     0.93
4.88     YES
 L0000190         0   0.14740E-05  459366.7 3772781.1   381.1     4.50     0.93
4.88     YES
 L0000191         0   0.14740E-05  459368.7 3772781.2   381.1     4.50     0.93
4.88     YES
 L0000192         0   0.14740E-05  459370.7 3772781.2   381.1     4.50     0.93
4.88     YES
 L0000193         0   0.14740E-05  459372.7 3772781.3   381.1     4.50     0.93
4.88     YES
 L0000194         0   0.14740E-05  459374.7 3772781.3   381.1     4.50     0.93
4.88     YES
 L0000195         0   0.14740E-05  459376.7 3772781.4   381.2     4.50     0.93
4.88     YES
 L0000196         0   0.14740E-05  459378.7 3772781.5   381.2     4.50     0.93
4.88     YES
 L0000197         0   0.14740E-05  459380.7 3772781.5   381.2     4.50     0.93
4.88     YES
 L0000198         0   0.14740E-05  459382.7 3772781.6   381.2     4.50     0.93
4.88     YES
 L0000199         0   0.14740E-05  459384.7 3772781.6   381.2     4.50     0.93
4.88     YES
 L0000200         0   0.14740E-05  459386.7 3772781.7   381.2     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000201	0	0.14740E-05	459388.7	3772781.7	381.2	4.50	0.93	4.88	YES	
L0000202	0	0.14740E-05	459390.7	3772781.8	381.3	4.50	0.93	4.88	YES	
L0000203	0	0.14740E-05	459392.7	3772781.8	381.3	4.50	0.93	4.88	YES	
L0000204	0	0.14740E-05	459394.7	3772781.9	381.3	4.50	0.93	4.88	YES	
L0000205	0	0.14740E-05	459396.7	3772782.0	381.3	4.50	0.93	4.88	YES	
L0000206	0	0.14740E-05	459398.7	3772782.0	381.3	4.50	0.93	4.88	YES	
L0000207	0	0.14740E-05	459400.7	3772782.1	381.3	4.50	0.93	4.88	YES	
L0000208	0	0.14740E-05	459402.7	3772782.1	381.4	4.50	0.93	4.88	YES	
L0000209	0	0.14740E-05	459404.7	3772782.2	381.4	4.50	0.93	4.88	YES	
L0000210	0	0.14740E-05	459406.7	3772782.2	381.4	4.50	0.93	4.88	YES	
L0000211	0	0.14740E-05	459408.7	3772782.3	381.4	4.50	0.93	4.88	YES	
L0000212	0	0.14740E-05	459410.7	3772782.4	381.4	4.50	0.93	4.88	YES	
L0000213	0	0.14740E-05	459412.7	3772782.4	381.4	4.50	0.93	4.88	YES	
L0000214	0	0.14740E-05	459414.7	3772782.5	381.4	4.50	0.93	4.88	YES	
L0000215	0	0.14740E-05	459416.7	3772782.5	381.4	4.50	0.93	4.88	YES	
L0000216	0	0.14740E-05	459418.7	3772782.6	381.4	4.50	0.93			

4.88	YES								
L0000217		0	0.14740E-05	459420.7	3772782.6	381.4	4.50	0.93	
4.88	YES								
L0000218		0	0.14740E-05	459422.7	3772782.7	381.5	4.50	0.93	
4.88	YES								
L0000219		0	0.14740E-05	459424.7	3772782.8	381.5	4.50	0.93	
4.88	YES								
L0000220		0	0.14740E-05	459426.7	3772782.8	381.5	4.50	0.93	
4.88	YES								
L0000221		0	0.14740E-05	459428.7	3772782.9	381.5	4.50	0.93	
4.88	YES								
L0000222		0	0.14740E-05	459430.7	3772782.9	381.4	4.50	0.93	
4.88	YES								
L0000223		0	0.14740E-05	459432.7	3772783.0	381.4	4.50	0.93	
4.88	YES								
L0000224		0	0.14740E-05	459434.7	3772783.0	381.4	4.50	0.93	
4.88	YES								
L0000225		0	0.14740E-05	459436.7	3772783.1	381.4	4.50	0.93	
4.88	YES								
L0000226		0	0.14740E-05	459438.7	3772783.1	381.4	4.50	0.93	
4.88	YES								
L0000227		0	0.14740E-05	459440.7	3772783.2	381.4	4.50	0.93	
4.88	YES								
L0000228		0	0.14740E-05	459442.7	3772783.3	381.4	4.50	0.93	
4.88	YES								
L0000229		0	0.14740E-05	459444.7	3772783.3	381.4	4.50	0.93	
4.88	YES								
L0000230		0	0.14740E-05	459446.7	3772783.4	381.4	4.50	0.93	
4.88	YES								
L0000231		0	0.14740E-05	459448.7	3772783.4	381.4	4.50	0.93	
4.88	YES								
L0000232		0	0.14740E-05	459450.7	3772783.5	381.4	4.50	0.93	
4.88	YES								
L0000233		0	0.14740E-05	459452.7	3772783.5	381.4	4.50	0.93	
4.88	YES								
L0000234		0	0.14740E-05	459454.7	3772783.6	381.4	4.50	0.93	
4.88	YES								
L0000235		0	0.14740E-05	459456.7	3772783.7	381.4	4.50	0.93	
4.88	YES								
L0000236		0	0.14740E-05	459458.7	3772783.7	381.4	4.50	0.93	
4.88	YES								
L0000237		0	0.14740E-05	459460.7	3772783.8	381.4	4.50	0.93	
4.88	YES								
L0000238		0	0.14740E-05	459462.7	3772783.8	381.4	4.50	0.93	
4.88	YES								
L0000239		0	0.14740E-05	459464.7	3772783.9	381.4	4.50	0.93	
4.88	YES								
L0000240		0	0.14740E-05	459466.7	3772783.9	381.4	4.50	0.93	

4.88 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000241	0	0.14740E-05	459468.7	3772784.0	381.4	4.50	0.93	4.88	YES	
L0000242	0	0.14740E-05	459470.7	3772784.1	381.4	4.50	0.93	4.88	YES	
L0000243	0	0.14740E-05	459472.7	3772784.1	381.4	4.50	0.93	4.88	YES	
L0000244	0	0.14740E-05	459474.7	3772784.2	381.4	4.50	0.93	4.88	YES	
L0000245	0	0.14740E-05	459476.7	3772784.2	381.4	4.50	0.93	4.88	YES	
L0000246	0	0.14740E-05	459478.7	3772784.3	381.4	4.50	0.93	4.88	YES	
L0000247	0	0.14740E-05	459480.7	3772784.3	381.4	4.50	0.93	4.88	YES	
L0000248	0	0.14740E-05	459482.7	3772784.4	381.4	4.50	0.93	4.88	YES	
L0000249	0	0.14740E-05	459484.7	3772784.4	381.4	4.50	0.93	4.88	YES	
L0000250	0	0.14740E-05	459486.7	3772784.5	381.4	4.50	0.93	4.88	YES	
L0000251	0	0.14740E-05	459488.7	3772784.6	381.4	4.50	0.93	4.88	YES	
L0000252	0	0.14740E-05	459490.7	3772784.6	381.4	4.50	0.93	4.88	YES	
L0000253	0	0.14740E-05	459492.7	3772784.7	381.4	4.50	0.93	4.88	YES	
L0000254	0	0.14740E-05	459494.7	3772784.7	381.4	4.50	0.93			

L0000255	0	0.14740E-05	459496.7	3772784.8	381.4	4.50	0.93	4.88	YES
L0000256	0	0.14740E-05	459498.7	3772784.8	381.4	4.50	0.93	4.88	YES
L0000257	0	0.14740E-05	459500.7	3772784.9	381.4	4.50	0.93	4.88	YES
L0000258	0	0.14740E-05	459502.7	3772785.0	381.4	4.50	0.93	4.88	YES
L0000259	0	0.14740E-05	459504.7	3772785.0	381.5	4.50	0.93	4.88	YES
L0000260	0	0.14740E-05	459506.7	3772785.1	381.5	4.50	0.93	4.88	YES
L0000261	0	0.14740E-05	459508.6	3772785.1	381.5	4.50	0.93	4.88	YES
L0000262	0	0.14740E-05	459510.6	3772785.2	381.5	4.50	0.93	4.88	YES
L0000263	0	0.14740E-05	459512.6	3772785.2	381.5	4.50	0.93	4.88	YES
L0000264	0	0.14740E-05	459514.6	3772785.3	381.5	4.50	0.93	4.88	YES
L0000265	0	0.14740E-05	459516.6	3772785.4	381.5	4.50	0.93	4.88	YES
L0000266	0	0.14740E-05	459518.6	3772785.4	381.5	4.50	0.93	4.88	YES
L0000267	0	0.14740E-05	459520.6	3772785.5	381.5	4.50	0.93	4.88	YES
L0000268	0	0.14740E-05	459522.6	3772785.5	381.5	4.50	0.93	4.88	YES
L0000269	0	0.14740E-05	459524.6	3772785.6	381.6	4.50	0.93	4.88	YES
L0000270	0	0.14740E-05	459526.6	3772785.6	381.6	4.50	0.93	4.88	YES
L0000271	0	0.14740E-05	459528.6	3772785.7	381.6	4.50	0.93	4.88	YES
L0000272	0	0.14740E-05	459530.6	3772785.8	381.6	4.50	0.93	4.88	YES
L0000273	0	0.14740E-05	459532.6	3772785.8	381.6	4.50	0.93	4.88	YES
L0000274	0	0.14740E-05	459534.6	3772785.9	381.6	4.50	0.93	4.88	YES
L0000275	0	0.14740E-05	459536.6	3772785.9	381.6	4.50	0.93	4.88	YES
L0000276	0	0.14740E-05	459538.6	3772786.0	381.6	4.50	0.93	4.88	YES
L0000277	0	0.14740E-05	459540.6	3772786.0	381.6	4.50	0.93	4.88	YES
L0000278	0	0.14740E-05	459542.6	3772786.1	381.6	4.50	0.93		

```
4.88     YES
 L0000279         0   0.14740E-05  459544.6 3772786.1   381.6     4.50     0.93
4.88     YES
 L0000280         0   0.14740E-05  459546.6 3772786.2   381.6     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0000281         0   0.14740E-05  459548.6 3772786.3   381.6     4.50     0.93
4.88     YES
 L0000282         0   0.14740E-05  459550.6 3772786.3   381.7     4.50     0.93
4.88     YES
 L0000283         0   0.14740E-05  459552.6 3772786.4   381.7     4.50     0.93
4.88     YES
 L0000284         0   0.14740E-05  459554.6 3772786.4   381.7     4.50     0.93
4.88     YES
 L0000285         0   0.14740E-05  459556.6 3772786.5   381.7     4.50     0.93
4.88     YES
 L0000286         0   0.14740E-05  459558.6 3772786.5   381.7     4.50     0.93
4.88     YES
 L0000287         0   0.14740E-05  459560.6 3772786.6   381.7     4.50     0.93
4.88     YES
 L0000288         0   0.14740E-05  459562.6 3772786.7   381.7     4.50     0.93
4.88     YES
 L0000289         0   0.14740E-05  459564.6 3772786.7   381.7     4.50     0.93
4.88     YES
 L0000290         0   0.14740E-05  459566.6 3772786.8   381.7     4.50     0.93
4.88     YES
 L0000291         0   0.14740E-05  459568.6 3772786.8   381.7     4.50     0.93
4.88     YES
 L0000292         0   0.14740E-05  459570.6 3772786.9   381.7     4.50     0.93
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L0000293	0	0.14740E-05	459572.6	3772786.9	381.7	4.50	0.93	4.88	YES
L0000294	0	0.14740E-05	459574.6	3772787.0	381.7	4.50	0.93	4.88	YES
L0000295	0	0.14740E-05	459576.6	3772787.1	381.7	4.50	0.93	4.88	YES
L0000296	0	0.14740E-05	459578.6	3772787.1	381.7	4.50	0.93	4.88	YES
L0000297	0	0.14740E-05	459580.6	3772787.2	381.7	4.50	0.93	4.88	YES
L0000298	0	0.14740E-05	459582.6	3772787.2	381.7	4.50	0.93	4.88	YES
L0000299	0	0.14740E-05	459584.6	3772787.3	381.7	4.50	0.93	4.88	YES
L0000300	0	0.14740E-05	459586.6	3772787.3	381.7	4.50	0.93	4.88	YES
L0000301	0	0.14740E-05	459588.6	3772787.4	381.7	4.50	0.93	4.88	YES
L0000302	0	0.14740E-05	459590.6	3772787.4	381.7	4.50	0.93	4.88	YES
L0000303	0	0.14740E-05	459592.6	3772787.5	381.7	4.50	0.93	4.88	YES
L0000304	0	0.14740E-05	459594.6	3772787.6	381.7	4.50	0.93	4.88	YES
L0000305	0	0.14740E-05	459596.6	3772787.6	381.7	4.50	0.93	4.88	YES
L0000306	0	0.14740E-05	459598.6	3772787.7	381.7	4.50	0.93	4.88	YES
L0000307	0	0.14740E-05	459600.6	3772787.7	381.7	4.50	0.93	4.88	YES
L0000308	0	0.14740E-05	459602.6	3772787.8	381.7	4.50	0.93	4.88	YES
L0000309	0	0.14740E-05	459604.6	3772787.8	381.7	4.50	0.93	4.88	YES
L0000310	0	0.14740E-05	459606.6	3772787.9	381.7	4.50	0.93	4.88	YES
L0000311	0	0.14740E-05	459608.6	3772788.0	381.8	4.50	0.93	4.88	YES
L0000312	0	0.14740E-05	459610.6	3772788.0	381.8	4.50	0.93	4.88	YES
L0000313	0	0.14740E-05	459612.6	3772788.1	381.8	4.50	0.93	4.88	YES
L0000314	0	0.14740E-05	459614.6	3772788.1	381.8	4.50	0.93	4.88	YES
L0000315	0	0.14740E-05	459616.6	3772788.2	381.8	4.50	0.93	4.88	YES
L0000316	0	0.14740E-05	459618.6	3772788.2	381.8	4.50	0.93		

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4.88     YES
 L0000317         0   0.14740E-05  459620.6 3772788.3   381.8     4.50     0.93
4.88     YES
 L0000318         0   0.14740E-05  459622.6 3772788.4   381.8     4.50     0.93
4.88     YES
 L0000319         0   0.14740E-05  459624.6 3772788.4   381.8     4.50     0.93
4.88     YES
 L0000320         0   0.14740E-05  459626.6 3772788.5   381.8     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0000321         0   0.14740E-05  459628.6 3772788.5   381.8     4.50     0.93
4.88     YES
 L0000322         0   0.14740E-05  459630.6 3772788.6   381.8     4.50     0.93
4.88     YES
 L0000323         0   0.14740E-05  459632.6 3772788.6   381.8     4.50     0.93
4.88     YES
 L0000324         0   0.14740E-05  459634.6 3772788.7   381.9     4.50     0.93
4.88     YES
 L0000325         0   0.14740E-05  459636.6 3772788.7   381.9     4.50     0.93
4.88     YES
 L0000326         0   0.14740E-05  459638.6 3772788.8   381.9     4.50     0.93
4.88     YES
 L0000327         0   0.14740E-05  459640.6 3772788.9   381.9     4.50     0.93
4.88     YES
 L0000328         0   0.14740E-05  459642.6 3772788.9   381.9     4.50     0.93
4.88     YES
 L0000329         0   0.14740E-05  459644.6 3772789.0   381.9     4.50     0.93
4.88     YES
 L0000330         0   0.14740E-05  459646.6 3772789.0   381.9     4.50     0.93
```

L0000331	0	0.14740E-05	459648.6	3772789.1	381.9	4.50	0.93	4.88	YES
L0000332	0	0.14740E-05	459650.6	3772789.1	381.9	4.50	0.93	4.88	YES
L0000333	0	0.14740E-05	459652.6	3772789.2	382.0	4.50	0.93	4.88	YES
L0000334	0	0.14740E-05	459654.6	3772789.3	382.0	4.50	0.93	4.88	YES
L0000335	0	0.14740E-05	459656.6	3772789.3	382.0	4.50	0.93	4.88	YES
L0000336	0	0.14740E-05	459658.6	3772789.4	382.0	4.50	0.93	4.88	YES
L0000337	0	0.14740E-05	459660.6	3772789.4	382.0	4.50	0.93	4.88	YES
L0000338	0	0.14740E-05	459662.6	3772789.5	382.0	4.50	0.93	4.88	YES
L0000339	0	0.14740E-05	459664.6	3772789.5	382.0	4.50	0.93	4.88	YES
L0000340	0	0.14740E-05	459666.6	3772789.6	382.0	4.50	0.93	4.88	YES
L0000341	0	0.14740E-05	459668.6	3772789.7	382.0	4.50	0.93	4.88	YES
L0000342	0	0.14740E-05	459670.6	3772789.7	382.0	4.50	0.93	4.88	YES
L0000343	0	0.14740E-05	459672.6	3772789.8	382.0	4.50	0.93	4.88	YES
L0000344	0	0.14740E-05	459674.6	3772789.8	382.1	4.50	0.93	4.88	YES
L0000345	0	0.14740E-05	459676.6	3772789.9	382.1	4.50	0.93	4.88	YES
L0000346	0	0.14740E-05	459678.6	3772789.9	382.1	4.50	0.93	4.88	YES
L0000347	0	0.14740E-05	459680.6	3772790.0	382.1	4.50	0.93	4.88	YES
L0000348	0	0.14740E-05	459682.6	3772790.0	382.1	4.50	0.93	4.88	YES
L0000349	0	0.14740E-05	459684.6	3772790.1	382.1	4.50	0.93	4.88	YES
L0000350	0	0.14740E-05	459686.6	3772790.2	382.1	4.50	0.93	4.88	YES
L0000351	0	0.14740E-05	459688.6	3772790.2	382.1	4.50	0.93	4.88	YES
L0000352	0	0.14740E-05	459690.6	3772790.3	382.1	4.50	0.93	4.88	YES
L0000353	0	0.14740E-05	459692.6	3772790.3	382.1	4.50	0.93	4.88	YES
L0000354	0	0.14740E-05	459694.6	3772790.4	382.1	4.50	0.93		

```
4.88     YES
 L0000355         0   0.14740E-05  459696.6 3772790.4   382.1     4.50     0.93
4.88     YES
 L0000356         0   0.14740E-05  459698.6 3772790.5   382.1     4.50     0.93
4.88     YES
 L0000357         0   0.14740E-05  459700.6 3772790.6   382.1     4.50     0.93
4.88     YES
 L0000358         0   0.14740E-05  459702.6 3772790.6   382.1     4.50     0.93
4.88     YES
 L0000359         0   0.14740E-05  459704.6 3772790.7   382.1     4.50     0.93
4.88     YES
 L0000360         0   0.14740E-05  459706.6 3772790.7   382.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0000361         0   0.14740E-05  459708.6 3772790.8   382.1     4.50     0.93
4.88     YES
 L0000362         0   0.14740E-05  459710.6 3772790.8   382.1     4.50     0.93
4.88     YES
 L0000363         0   0.14740E-05  459712.6 3772790.9   382.1     4.50     0.93
4.88     YES
 L0000364         0   0.14740E-05  459714.6 3772791.0   382.1     4.50     0.93
4.88     YES
 L0000365         0   0.14740E-05  459716.6 3772791.0   382.1     4.50     0.93
4.88     YES
 L0000366         0   0.14740E-05  459718.6 3772791.1   382.0     4.50     0.93
4.88     YES
 L0000367         0   0.14740E-05  459720.6 3772791.1   382.0     4.50     0.93
4.88     YES
 L0000368         0   0.14740E-05  459722.6 3772791.2   382.0     4.50     0.93
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L0000369	0	0.14740E-05	459724.6	3772791.2	382.0	4.50	0.93	4.88	YES
L0000370	0	0.14740E-05	459726.6	3772791.3	382.0	4.50	0.93	4.88	YES
L0000371	0	0.14740E-05	459728.6	3772791.3	382.0	4.50	0.93	4.88	YES
L0000372	0	0.14740E-05	459730.6	3772791.4	382.0	4.50	0.93	4.88	YES
L0000373	0	0.14740E-05	459732.6	3772791.5	382.0	4.50	0.93	4.88	YES
L0000374	0	0.14740E-05	459734.6	3772791.5	382.0	4.50	0.93	4.88	YES
L0000375	0	0.14740E-05	459736.6	3772791.6	382.0	4.50	0.93	4.88	YES
L0000376	0	0.14740E-05	459738.6	3772791.6	382.0	4.50	0.93	4.88	YES
L0000377	0	0.14740E-05	459740.6	3772791.7	382.0	4.50	0.93	4.88	YES
L0000378	0	0.14740E-05	459742.6	3772791.7	382.0	4.50	0.93	4.88	YES
L0000379	0	0.14740E-05	459744.6	3772791.8	382.0	4.50	0.93	4.88	YES
L0000380	0	0.14740E-05	459746.6	3772791.9	382.0	4.50	0.93	4.88	YES
L0000381	0	0.14740E-05	459748.6	3772791.9	382.0	4.50	0.93	4.88	YES
L0000382	0	0.14740E-05	459750.6	3772792.0	382.0	4.50	0.93	4.88	YES
L0000383	0	0.14740E-05	459752.6	3772792.0	382.0	4.50	0.93	4.88	YES
L0000384	0	0.14740E-05	459754.6	3772792.1	382.0	4.50	0.93	4.88	YES
L0000385	0	0.14740E-05	459756.6	3772792.1	382.0	4.50	0.93	4.88	YES
L0000386	0	0.14740E-05	459758.5	3772792.2	382.0	4.50	0.93	4.88	YES
L0000387	0	0.14740E-05	459760.5	3772792.3	382.0	4.50	0.93	4.88	YES
L0000388	0	0.14740E-05	459762.5	3772792.3	382.0	4.50	0.93	4.88	YES
L0000389	0	0.14740E-05	459764.5	3772792.4	382.0	4.50	0.93	4.88	YES
L0000390	0	0.14740E-05	459766.5	3772792.4	382.0	4.50	0.93	4.88	YES
L0000391	0	0.14740E-05	459768.5	3772792.5	382.1	4.50	0.93	4.88	YES
L0000392	0	0.14740E-05	459770.5	3772792.5	382.1	4.50	0.93		

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4.88     YES
 L0000393         0   0.14740E-05  459772.5 3772792.6   382.1     4.50     0.93
4.88     YES
 L0000394         0   0.14740E-05  459774.5 3772792.6   382.1     4.50     0.93
4.88     YES
 L0000395         0   0.14740E-05  459776.5 3772792.7   382.1     4.50     0.93
4.88     YES
 L0000396         0   0.14740E-05  459778.5 3772792.8   382.1     4.50     0.93
4.88     YES
 L0000397         0   0.14740E-05  459780.5 3772792.8   382.1     4.50     0.93
4.88     YES
 L0000398         0   0.14740E-05  459782.5 3772792.9   382.1     4.50     0.93
4.88     YES
 L0000399         0   0.14740E-05  459784.5 3772792.9   382.1     4.50     0.93
4.88     YES
 L0000400         0   0.14740E-05  459786.5 3772793.0   382.2     4.50     0.93
4.88     YES
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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0000401         0   0.14740E-05  459788.5 3772793.0   382.2     4.50     0.93
4.88     YES
 L0000402         0   0.14740E-05  459790.5 3772793.1   382.2     4.50     0.93
4.88     YES
 L0000403         0   0.14740E-05  459792.5 3772793.2   382.2     4.50     0.93
4.88     YES
 L0000404         0   0.14740E-05  459794.5 3772793.2   382.2     4.50     0.93
4.88     YES
 L0000405         0   0.14740E-05  459796.5 3772793.3   382.2     4.50     0.93
4.88     YES
 L0000406         0   0.14740E-05  459798.5 3772793.3   382.2     4.50     0.93
```

L0000407	0	0.14740E-05	459800.5	3772793.4	382.2	4.50	0.93	4.88	YES
L0000408	0	0.14740E-05	459802.5	3772793.4	382.2	4.50	0.93	4.88	YES
L0000409	0	0.14740E-05	459804.5	3772793.5	382.2	4.50	0.93	4.88	YES
L0000410	0	0.14740E-05	459806.5	3772793.6	382.2	4.50	0.93	4.88	YES
L0000411	0	0.14740E-05	459808.5	3772793.6	382.2	4.50	0.93	4.88	YES
L0000412	0	0.14740E-05	459810.5	3772793.7	382.2	4.50	0.93	4.88	YES
L0000413	0	0.14740E-05	459812.5	3772793.7	382.2	4.50	0.93	4.88	YES
L0000414	0	0.14740E-05	459814.5	3772793.8	382.2	4.50	0.93	4.88	YES
L0000415	0	0.14740E-05	459816.5	3772793.8	382.2	4.50	0.93	4.88	YES
L0000416	0	0.14740E-05	459818.5	3772793.9	382.2	4.50	0.93	4.88	YES
L0000417	0	0.14740E-05	459820.5	3772794.0	382.2	4.50	0.93	4.88	YES
L0000418	0	0.14740E-05	459822.5	3772794.0	382.2	4.50	0.93	4.88	YES
L0000419	0	0.14740E-05	459824.5	3772794.1	382.2	4.50	0.93	4.88	YES
L0000420	0	0.14740E-05	459826.5	3772794.1	382.2	4.50	0.93	4.88	YES
L0000421	0	0.14740E-05	459828.5	3772794.2	382.2	4.50	0.93	4.88	YES
L0000422	0	0.14740E-05	459830.5	3772794.2	382.2	4.50	0.93	4.88	YES
L0000423	0	0.14740E-05	459832.5	3772794.3	382.2	4.50	0.93	4.88	YES
L0000424	0	0.14740E-05	459834.5	3772794.3	382.2	4.50	0.93	4.88	YES
L0000425	0	0.14740E-05	459836.5	3772794.4	382.2	4.50	0.93	4.88	YES
L0000426	0	0.14740E-05	459838.5	3772794.5	382.2	4.50	0.93	4.88	YES
L0000427	0	0.14740E-05	459840.5	3772794.5	382.2	4.50	0.93	4.88	YES
L0000428	0	0.14740E-05	459842.5	3772794.6	382.2	4.50	0.93	4.88	YES
L0000429	0	0.14740E-05	459844.5	3772794.6	382.2	4.50	0.93	4.88	YES
L0000430	0	0.14740E-05	459846.5	3772794.7	382.1	4.50	0.93		

```
4.88     YES
 L0000431         0   0.14740E-05  459848.5 3772794.7   382.1     4.50     0.93
4.88     YES
 L0000432         0   0.14740E-05  459850.5 3772794.8   382.1     4.50     0.93
4.88     YES
 L0000433         0   0.14740E-05  459852.5 3772794.9   382.1     4.50     0.93
4.88     YES
 L0000434         0   0.14740E-05  459854.5 3772794.9   382.1     4.50     0.93
4.88     YES
 L0000435         0   0.14740E-05  459856.5 3772795.0   382.1     4.50     0.93
4.88     YES
 L0000436         0   0.14740E-05  459858.5 3772795.0   382.1     4.50     0.93
4.88     YES
 L0000437         0   0.14740E-05  459860.5 3772795.1   382.1     4.50     0.93
4.88     YES
 L0000438         0   0.14740E-05  459862.5 3772795.1   382.1     4.50     0.93
4.88     YES
 L0000439         0   0.14740E-05  459864.5 3772795.2   382.1     4.50     0.93
4.88     YES
 L0000440         0   0.14740E-05  459866.5 3772795.3   382.2     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0000441         0   0.14740E-05  459868.5 3772795.3   382.2     4.50     0.93
4.88     YES
 L0000442         0   0.14740E-05  459870.5 3772795.4   382.2     4.50     0.93
4.88     YES
 L0000443         0   0.14740E-05  459872.5 3772795.4   382.2     4.50     0.93
4.88     YES
 L0000444         0   0.14740E-05  459874.5 3772795.5   382.2     4.50     0.93
```

L0000445	0	0.14740E-05	459876.5	3772795.5	382.2	4.50	0.93	4.88	YES
L0000446	0	0.14740E-05	459878.5	3772795.6	382.2	4.50	0.93	4.88	YES
L0000447	0	0.14740E-05	459880.5	3772795.6	382.2	4.50	0.93	4.88	YES
L0000448	0	0.14740E-05	459882.5	3772795.7	382.2	4.50	0.93	4.88	YES
L0000449	0	0.14740E-05	459884.5	3772795.8	382.2	4.50	0.93	4.88	YES
L0000450	0	0.14740E-05	459886.5	3772795.8	382.2	4.50	0.93	4.88	YES
L0000451	0	0.14740E-05	459888.5	3772795.9	382.2	4.50	0.93	4.88	YES
L0000452	0	0.14740E-05	459890.5	3772795.9	382.2	4.50	0.93	4.88	YES
L0000453	0	0.14740E-05	459892.5	3772796.0	382.2	4.50	0.93	4.88	YES
L0000454	0	0.14740E-05	459894.5	3772796.0	382.2	4.50	0.93	4.88	YES
L0000455	0	0.14740E-05	459896.5	3772796.1	382.2	4.50	0.93	4.88	YES
L0000456	0	0.14740E-05	459898.5	3772796.2	382.2	4.50	0.93	4.88	YES
L0000457	0	0.14740E-05	459900.5	3772796.2	382.3	4.50	0.93	4.88	YES
L0000458	0	0.14740E-05	459902.5	3772796.3	382.3	4.50	0.93	4.88	YES
L0000459	0	0.14740E-05	459904.5	3772796.3	382.3	4.50	0.93	4.88	YES
L0000460	0	0.14740E-05	459906.5	3772796.4	382.3	4.50	0.93	4.88	YES
L0000461	0	0.14740E-05	459908.5	3772796.4	382.3	4.50	0.93	4.88	YES
L0000462	0	0.14740E-05	459910.5	3772796.5	382.3	4.50	0.93	4.88	YES
L0000463	0	0.14740E-05	459912.5	3772796.6	382.3	4.50	0.93	4.88	YES
L0000464	0	0.14740E-05	459914.5	3772796.6	382.3	4.50	0.93	4.88	YES
L0000465	0	0.14740E-05	459916.5	3772796.7	382.3	4.50	0.93	4.88	YES
L0000466	0	0.14740E-05	459918.5	3772796.7	382.4	4.50	0.93	4.88	YES
L0000467	0	0.14740E-05	459920.5	3772796.8	382.4	4.50	0.93	4.88	YES
L0000468	0	0.14740E-05	459922.5	3772796.8	382.4	4.50	0.93		

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4.88     YES
 L0000469         0   0.14740E-05  459924.5 3772796.9   382.4     4.50     0.93
4.88     YES
 L0000470         0   0.14740E-05  459926.5 3772796.9   382.4     4.50     0.93
4.88     YES
 L0000471         0   0.14740E-05  459928.5 3772797.0   382.4     4.50     0.93
4.88     YES
 L0000472         0   0.14740E-05  459930.5 3772797.1   382.4     4.50     0.93
4.88     YES
 L0000473         0   0.14740E-05  459932.5 3772797.1   382.4     4.50     0.93
4.88     YES
 L0000474         0   0.14740E-05  459934.5 3772797.2   382.4     4.50     0.93
4.88     YES
 L0000475         0   0.14740E-05  459936.5 3772797.2   382.5     4.50     0.93
4.88     YES
 L0000476         0   0.14740E-05  459938.5 3772797.3   382.5     4.50     0.93
4.88     YES
 L0000477         0   0.14740E-05  459940.5 3772797.3   382.5     4.50     0.93
4.88     YES
 L0000478         0   0.14740E-05  459942.5 3772797.4   382.5     4.50     0.93
4.88     YES
 L0000479         0   0.14740E-05  459944.5 3772797.5   382.5     4.50     0.93
4.88     YES
 L0000480         0   0.14740E-05  459946.5 3772797.5   382.5     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0000481         0   0.14740E-05  459948.5 3772797.6   382.6     4.50     0.93
4.88     YES
 L0000482         0   0.14740E-05  459950.5 3772797.6   382.6     4.50     0.93
```

L0000483	0	0.14740E-05	459952.5	3772797.7	382.6	4.50	0.93	4.88	YES
L0000484	0	0.14740E-05	459954.5	3772797.7	382.6	4.50	0.93	4.88	YES
L0000485	0	0.14740E-05	459956.5	3772797.8	382.6	4.50	0.93	4.88	YES
L0000486	0	0.14740E-05	459958.5	3772797.9	382.6	4.50	0.93	4.88	YES
L0000487	0	0.14740E-05	459960.5	3772797.9	382.7	4.50	0.93	4.88	YES
L0000488	0	0.14740E-05	459962.5	3772798.0	382.7	4.50	0.93	4.88	YES
L0000489	0	0.14740E-05	459964.5	3772798.0	382.7	4.50	0.93	4.88	YES
L0000490	0	0.14740E-05	459966.5	3772798.1	382.7	4.50	0.93	4.88	YES
L0000491	0	0.14740E-05	459968.5	3772798.1	382.7	4.50	0.93	4.88	YES
L0000492	0	0.14740E-05	459970.5	3772798.2	382.7	4.50	0.93	4.88	YES
L0000493	0	0.14740E-05	459972.5	3772798.2	382.8	4.50	0.93	4.88	YES
L0000494	0	0.14740E-05	459974.5	3772798.3	382.8	4.50	0.93	4.88	YES
L0000495	0	0.14740E-05	459976.5	3772798.4	382.8	4.50	0.93	4.88	YES
L0000496	0	0.14740E-05	459978.5	3772798.4	382.8	4.50	0.93	4.88	YES
L0000497	0	0.14740E-05	459980.5	3772798.5	382.8	4.50	0.93	4.88	YES
L0000498	0	0.14740E-05	459982.5	3772798.5	382.9	4.50	0.93	4.88	YES
L0000499	0	0.14740E-05	459984.5	3772798.6	382.9	4.50	0.93	4.88	YES
L0000500	0	0.14740E-05	459986.5	3772798.6	382.9	4.50	0.93	4.88	YES
L0000501	0	0.14740E-05	459988.5	3772798.7	382.9	4.50	0.93	4.88	YES
L0000502	0	0.14740E-05	459990.5	3772798.8	382.9	4.50	0.93	4.88	YES
L0000503	0	0.14740E-05	459992.5	3772798.8	382.9	4.50	0.93	4.88	YES
L0000504	0	0.14740E-05	459994.5	3772798.9	382.9	4.50	0.93	4.88	YES
L0000505	0	0.14740E-05	459996.5	3772798.9	382.9	4.50	0.93	4.88	YES
L0000506	0	0.14740E-05	459998.5	3772799.0	383.0	4.50	0.93		

```
4.88     YES
 L0000507         0   0.14740E-05  460000.5 3772799.0   383.0     4.50     0.93
4.88     YES
 L0000508         0   0.14740E-05  460002.5 3772799.1   383.0     4.50     0.93
4.88     YES
 L0000509         0   0.14740E-05  460004.5 3772799.2   383.0     4.50     0.93
4.88     YES
 L0000510         0   0.14740E-05  460006.5 3772799.2   383.0     4.50     0.93
4.88     YES
 L0000511         0   0.14740E-05  460008.5 3772799.3   383.0     4.50     0.93
4.88     YES
 L0000512         0   0.14740E-05  460010.4 3772799.3   383.0     4.50     0.93
4.88     YES
 L0000513         0   0.14740E-05  460012.4 3772799.4   383.0     4.50     0.93
4.88     YES
 L0000514         0   0.14740E-05  460014.4 3772799.4   383.1     4.50     0.93
4.88     YES
 L0000515         0   0.14740E-05  460016.4 3772799.5   383.1     4.50     0.93
4.88     YES
 L0000516         0   0.14740E-05  460018.4 3772799.6   383.1     4.50     0.93
4.88     YES
 L0000517         0   0.14740E-05  460020.4 3772799.6   383.1     4.50     0.93
4.88     YES
 L0000518         0   0.14740E-05  460022.4 3772799.7   383.1     4.50     0.93
4.88     YES
 L0000519         0   0.14740E-05  460024.4 3772799.7   383.1     4.50     0.93
4.88     YES
 L0000520         0   0.14740E-05  460026.4 3772799.8   383.1     4.50     0.93
4.88     YES
```



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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0000521	0	0.14740E-05	460028.4	3772799.8	383.1	4.50	0.93	4.88	YES
L0000522	0	0.14740E-05	460030.4	3772799.9	383.1	4.50	0.93	4.88	YES
L0000523	0	0.14740E-05	460032.4	3772799.9	383.1	4.50	0.93	4.88	YES
L0000524	0	0.14740E-05	460034.4	3772800.0	383.1	4.50	0.93	4.88	YES
L0000525	0	0.14740E-05	460036.4	3772800.1	383.1	4.50	0.93	4.88	YES
L0000526	0	0.14740E-05	460038.4	3772800.1	383.1	4.50	0.93	4.88	YES
L0000527	0	0.14740E-05	460040.4	3772800.2	383.2	4.50	0.93	4.88	YES
L0000528	0	0.14740E-05	460042.4	3772800.2	383.2	4.50	0.93	4.88	YES
L0000529	0	0.14740E-05	460044.4	3772800.3	383.2	4.50	0.93	4.88	YES
L0000530	0	0.14740E-05	460046.4	3772800.3	383.2	4.50	0.93	4.88	YES
L0000531	0	0.14740E-05	460048.4	3772800.4	383.2	4.50	0.93	4.88	YES
L0000532	0	0.14740E-05	460050.4	3772800.5	383.2	4.50	0.93	4.88	YES
L0000533	0	0.14740E-05	460052.4	3772800.5	383.2	4.50	0.93	4.88	YES
L0000534	0	0.14740E-05	460054.4	3772800.6	383.2	4.50	0.93	4.88	YES
L0000535	0	0.14740E-05	460056.4	3772800.6	383.2	4.50	0.93	4.88	YES
L0000536	0	0.14740E-05	460058.4	3772800.7	383.2	4.50	0.93	4.88	YES
L0000537	0	0.14740E-05	460060.4	3772800.7	383.2	4.50	0.93	4.88	YES
L0000538	0	0.14740E-05	460062.4	3772800.8	383.2	4.50	0.93	4.88	YES
L0000539	0	0.14740E-05	460064.4	3772800.9	383.2	4.50	0.93	4.88	YES
L0000540	0	0.14740E-05	460066.4	3772800.9	383.2	4.50	0.93	4.88	YES
L0000541	0	0.14740E-05	460068.4	3772801.0	383.2	4.50	0.93	4.88	YES
L0000542	0	0.14740E-05	460070.4	3772801.0	383.2	4.50	0.93	4.88	YES
L0000543	0	0.14740E-05	460072.4	3772801.1	383.2	4.50	0.93	4.88	YES
L0000544	0	0.14740E-05	460074.4	3772801.1	383.2	4.50	0.93		

4.88 YES
L0000545 0 0.14740E-05 460076.4 3772801.2 383.2 4.50 0.93
4.88 YES
L0000546 0 0.14740E-05 460078.4 3772801.2 383.2 4.50 0.93
4.88 YES
L0000547 0 0.14740E-05 460080.4 3772801.3 383.1 4.50 0.93
4.88 YES
L0000548 0 0.14740E-05 460082.4 3772801.4 383.1 4.50 0.93
4.88 YES
L0000549 0 0.14740E-05 460084.4 3772801.4 383.1 4.50 0.93
4.88 YES
L0000550 0 0.14740E-05 460086.4 3772801.5 383.1 4.50 0.93
4.88 YES
L0000551 0 0.14740E-05 460088.4 3772801.5 383.1 4.50 0.93
4.88 YES
L0000552 0 0.14740E-05 460090.4 3772801.6 383.1 4.50 0.93
4.88 YES
L0000553 0 0.14740E-05 460092.4 3772801.6 383.1 4.50 0.93
4.88 YES
L0000554 0 0.14740E-05 460094.4 3772801.7 383.1 4.50 0.93
4.88 YES
L0000555 0 0.14740E-05 460096.4 3772801.8 383.1 4.50 0.93
4.88 YES
L0000556 0 0.14740E-05 460098.4 3772801.8 383.1 4.50 0.93
4.88 YES
L0000557 0 0.14740E-05 460100.4 3772801.9 383.1 4.50 0.93
4.88 YES
L0000558 0 0.14740E-05 460102.4 3772801.9 383.1 4.50 0.93
4.88 YES
L0000559 0 0.14740E-05 460104.4 3772802.0 383.1 4.50 0.93
4.88 YES
L0000560 0 0.14740E-05 460106.4 3772802.0 383.1 4.50 0.93
4.88 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0000561	0	0.14740E-05	460108.4	3772802.1	383.1	4.50	0.93	4.88 YES
L0000562	0	0.14740E-05	460110.4	3772802.2	383.1	4.50	0.93	4.88 YES
L0000563	0	0.14740E-05	460112.4	3772802.2	383.1	4.50	0.93	4.88 YES
L0000564	0	0.14740E-05	460114.4	3772802.3	383.1	4.50	0.93	4.88 YES
L0000565	0	0.14740E-05	460116.4	3772802.3	383.1	4.50	0.93	4.88 YES
L0000566	0	0.14740E-05	460118.4	3772802.4	383.1	4.50	0.93	4.88 YES
L0000567	0	0.14740E-05	460120.4	3772802.4	383.2	4.50	0.93	4.88 YES
L0000568	0	0.14740E-05	460122.4	3772802.5	383.2	4.50	0.93	4.88 YES
L0000569	0	0.14740E-05	460124.4	3772802.5	383.2	4.50	0.93	4.88 YES
L0000570	0	0.14740E-05	460126.4	3772802.6	383.2	4.50	0.93	4.88 YES
L0000571	0	0.14740E-05	460128.4	3772802.7	383.2	4.50	0.93	4.88 YES
L0000572	0	0.14740E-05	460130.4	3772802.7	383.2	4.50	0.93	4.88 YES
L0000573	0	0.14740E-05	460132.4	3772802.8	383.2	4.50	0.93	4.88 YES
L0000574	0	0.14740E-05	460134.4	3772802.8	383.2	4.50	0.93	4.88 YES
L0000575	0	0.14740E-05	460136.4	3772802.9	383.2	4.50	0.93	4.88 YES
L0000576	0	0.14740E-05	460138.4	3772802.9	383.2	4.50	0.93	4.88 YES
L0000577	0	0.14740E-05	460140.4	3772803.0	383.2	4.50	0.93	4.88 YES
L0000578	0	0.14740E-05	460142.4	3772803.1	383.2	4.50	0.93	4.88 YES
L0000579	0	0.14740E-05	460144.4	3772803.1	383.2	4.50	0.93	4.88 YES
L0000580	0	0.14740E-05	460146.4	3772803.2	383.2	4.50	0.93	4.88 YES
L0000581	0	0.14740E-05	460148.4	3772803.2	383.2	4.50	0.93	4.88 YES
L0000582	0	0.14740E-05	460150.4	3772803.3	383.2	4.50	0.93	

```
4.88     YES
 L0000583         0   0.14740E-05  460152.4 3772803.3   383.2     4.50     0.93
4.88     YES
 L0000584         0   0.14740E-05  460154.4 3772803.4   383.2     4.50     0.93
4.88     YES
 L0000585         0   0.14740E-05  460156.4 3772803.5   383.3     4.50     0.93
4.88     YES
 L0000586         0   0.14740E-05  460158.4 3772803.5   383.3     4.50     0.93
4.88     YES
 L0000587         0   0.14740E-05  460160.4 3772803.6   383.3     4.50     0.93
4.88     YES
 L0000588         0   0.14740E-05  460162.4 3772803.6   383.3     4.50     0.93
4.88     YES
 L0000589         0   0.14740E-05  460164.4 3772803.7   383.3     4.50     0.93
4.88     YES
 L0000590         0   0.14740E-05  460166.4 3772803.7   383.3     4.50     0.93
4.88     YES
 L0000591         0   0.14740E-05  460168.4 3772803.8   383.3     4.50     0.93
4.88     YES
 L0000592         0   0.14740E-05  460170.4 3772803.8   383.3     4.50     0.93
4.88     YES
 L0000593         0   0.14740E-05  460172.4 3772803.9   383.3     4.50     0.93
4.88     YES
 L0000594         0   0.14740E-05  460174.4 3772804.0   383.3     4.50     0.93
4.88     YES
 L0000595         0   0.14740E-05  460176.4 3772804.0   383.3     4.50     0.93
4.88     YES
 L0000596         0   0.14740E-05  460178.4 3772804.1   383.3     4.50     0.93
4.88     YES
 L0000597         0   0.14740E-05  460180.4 3772804.1   383.3     4.50     0.93
4.88     YES
 L0000598         0   0.14740E-05  460182.4 3772804.2   383.3     4.50     0.93
4.88     YES
 L0000599         0   0.14740E-05  460184.4 3772804.2   383.3     4.50     0.93
4.88     YES
 L0000600         0   0.14740E-05  460186.4 3772804.3   383.3     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

 L0000601         0   0.14740E-05  460188.4 3772804.4   383.3     4.50     0.93
4.88     YES
 L0000602         0   0.14740E-05  460190.4 3772804.4   383.3     4.50     0.93
4.88     YES
 L0000603         0   0.14740E-05  460192.4 3772804.5   383.3     4.50     0.93
4.88     YES
 L0000604         0   0.14740E-05  460194.4 3772804.5   383.3     4.50     0.93
4.88     YES
 L0000605         0   0.14740E-05  460196.4 3772804.6   383.3     4.50     0.93
4.88     YES
 L0000606         0   0.14740E-05  460198.4 3772804.6   383.3     4.50     0.93
4.88     YES
 L0000607         0   0.14740E-05  460200.4 3772804.7   383.3     4.50     0.93
4.88     YES
 L0000608         0   0.14740E-05  460202.4 3772804.8   383.3     4.50     0.93
4.88     YES
 L0000609         0   0.14740E-05  460204.4 3772804.8   383.3     4.50     0.93
4.88     YES
 L0000610         0   0.14740E-05  460206.4 3772804.9   383.3     4.50     0.93
4.88     YES
 L0000611         0   0.14740E-05  460208.4 3772804.9   383.3     4.50     0.93
4.88     YES
 L0000612         0   0.14740E-05  460210.4 3772805.0   383.3     4.50     0.93
4.88     YES
 L0000613         0   0.14740E-05  460212.4 3772805.0   383.3     4.50     0.93
4.88     YES
 L0000614         0   0.14740E-05  460214.4 3772805.1   383.3     4.50     0.93
4.88     YES
 L0000615         0   0.14740E-05  460216.4 3772805.1   383.3     4.50     0.93
4.88     YES
 L0000616         0   0.14740E-05  460218.4 3772805.2   383.3     4.50     0.93
4.88     YES
 L0000617         0   0.14740E-05  460220.4 3772805.3   383.2     4.50     0.93
4.88     YES
 L0000618         0   0.14740E-05  460222.4 3772805.3   383.2     4.50     0.93
4.88     YES
 L0000619         0   0.14740E-05  460224.4 3772805.4   383.2     4.50     0.93
4.88     YES
 L0000620         0   0.14740E-05  460226.4 3772805.4   383.2     4.50     0.93
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4.88     YES
 L0000621         0   0.14740E-05  460228.4 3772805.5   383.2     4.50     0.93
4.88     YES
 L0000622         0   0.14740E-05  460230.4 3772805.5   383.2     4.50     0.93
4.88     YES
 L0000623         0   0.14740E-05  460232.4 3772805.6   383.2     4.50     0.93
4.88     YES
 L0000624         0   0.14740E-05  460234.4 3772805.7   383.2     4.50     0.93
4.88     YES
 L0000625         0   0.14740E-05  460236.4 3772805.7   383.2     4.50     0.93
4.88     YES
 L0000626         0   0.14740E-05  460238.4 3772805.8   383.2     4.50     0.93
4.88     YES
 L0000627         0   0.14740E-05  460240.4 3772805.8   383.2     4.50     0.93
4.88     YES
 L0000628         0   0.14740E-05  460242.4 3772805.9   383.2     4.50     0.93
4.88     YES
 L0000629         0   0.14740E-05  460244.4 3772805.9   383.2     4.50     0.93
4.88     YES
 L0000630         0   0.14740E-05  460246.4 3772806.0   383.2     4.50     0.93
4.88     YES
 L0000631         0   0.14740E-05  460248.4 3772806.1   383.2     4.50     0.93
4.88     YES
 L0000632         0   0.14740E-05  460250.4 3772806.1   383.2     4.50     0.93
4.88     YES
 L0000633         0   0.14740E-05  460252.4 3772806.2   383.2     4.50     0.93
4.88     YES
 L0000634         0   0.14740E-05  460254.4 3772806.2   383.2     4.50     0.93
4.88     YES
 L0000635         0   0.14740E-05  460256.4 3772806.3   383.2     4.50     0.93
4.88     YES
 L0000636         0   0.14740E-05  460258.3 3772806.3   383.2     4.50     0.93
4.88     YES
 L0000637         0   0.14740E-05  460260.3 3772806.4   383.2     4.50     0.93
4.88     YES
 L0000638         0   0.14740E-05  460262.3 3772806.5   383.2     4.50     0.93
4.88     YES
 L0000639         0   0.14740E-05  460264.3 3772806.5   383.2     4.50     0.93
4.88     YES
 L0000640         0   0.14740E-05  460266.3 3772806.6   383.2     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000641	0	0.14740E-05	460268.3	3772806.6	383.2	4.50	0.93	4.88	YES	
L0000642	0	0.14740E-05	460270.3	3772806.7	383.2	4.50	0.93	4.88	YES	
L0000643	0	0.14740E-05	460272.3	3772806.7	383.2	4.50	0.93	4.88	YES	
L0000644	0	0.14740E-05	460274.3	3772806.8	383.2	4.50	0.93	4.88	YES	
L0000645	0	0.14740E-05	460276.3	3772806.8	383.2	4.50	0.93	4.88	YES	
L0000646	0	0.14740E-05	460278.3	3772806.9	383.2	4.50	0.93	4.88	YES	
L0000647	0	0.14740E-05	460280.3	3772807.0	383.2	4.50	0.93	4.88	YES	
L0000648	0	0.14740E-05	460282.3	3772807.0	383.2	4.50	0.93	4.88	YES	
L0000649	0	0.14740E-05	460284.3	3772807.1	383.2	4.50	0.93	4.88	YES	
L0000650	0	0.14740E-05	460286.3	3772807.1	383.2	4.50	0.93	4.88	YES	
L0000651	0	0.14740E-05	460288.3	3772807.2	383.2	4.50	0.93	4.88	YES	
L0000652	0	0.14740E-05	460290.3	3772807.2	383.2	4.50	0.93	4.88	YES	
L0000653	0	0.14740E-05	460292.3	3772807.3	383.2	4.50	0.93	4.88	YES	
L0000654	0	0.14740E-05	460294.3	3772807.4	383.2	4.50	0.93	4.88	YES	
L0000655	0	0.14740E-05	460296.3	3772807.4	383.2	4.50	0.93	4.88	YES	
L0000656	0	0.14740E-05	460298.3	3772807.5	383.2	4.50	0.93	4.88	YES	
L0000657	0	0.14740E-05	460300.3	3772807.5	383.2	4.50	0.93	4.88	YES	
L0000658	0	0.14740E-05	460302.3	3772807.6	383.2	4.50	0.93			

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4.88     YES
 L0000659         0   0.14740E-05  460304.3 3772807.6   383.2     4.50     0.93
4.88     YES
 L0000660         0   0.14740E-05  460306.3 3772807.7   383.2     4.50     0.93
4.88     YES
 L0000661         0   0.14740E-05  460308.3 3772807.8   383.2     4.50     0.93
4.88     YES
 L0000662         0   0.14740E-05  460310.3 3772807.8   383.2     4.50     0.93
4.88     YES
 L0000663         0   0.14740E-05  460312.3 3772807.9   383.2     4.50     0.93
4.88     YES
 L0000664         0   0.14740E-05  460314.3 3772807.9   383.2     4.50     0.93
4.88     YES
 L0000665         0   0.14740E-05  460316.3 3772808.0   383.2     4.50     0.93
4.88     YES
 L0000666         0   0.14740E-05  460318.3 3772808.0   383.2     4.50     0.93
4.88     YES
 L0000667         0   0.14740E-05  460320.3 3772808.1   383.2     4.50     0.93
4.88     YES
 L0000668         0   0.14740E-05  460322.3 3772808.1   383.2     4.50     0.93
4.88     YES
 L0000669         0   0.14740E-05  460324.3 3772808.2   383.2     4.50     0.93
4.88     YES
 L0000670         0   0.14740E-05  460326.3 3772808.3   383.2     4.50     0.93
4.88     YES
 L0000671         0   0.14740E-05  460328.3 3772808.3   383.2     4.50     0.93
4.88     YES
 L0000672         0   0.14740E-05  460330.3 3772808.4   383.1     4.50     0.93
4.88     YES
 L0000673         0   0.14740E-05  460332.3 3772808.4   383.1     4.50     0.93
4.88     YES
 L0000674         0   0.14740E-05  460334.3 3772808.5   383.1     4.50     0.93
4.88     YES
 L0000675         0   0.14740E-05  460336.3 3772808.5   383.1     4.50     0.93
4.88     YES
 L0000676         0   0.14740E-05  460338.3 3772808.6   383.1     4.50     0.93
4.88     YES
 L0000677         0   0.14740E-05  460340.3 3772808.7   383.1     4.50     0.93
4.88     YES
 L0000678         0   0.14740E-05  460342.3 3772808.7   383.1     4.50     0.93
4.88     YES
 L0000679         0   0.14740E-05  460344.3 3772808.8   383.1     4.50     0.93
4.88     YES
 L0000680         0   0.14740E-05  460346.3 3772808.8   383.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000681	0	0.14740E-05	460348.3	3772808.9	383.1	4.50	0.93	4.88	YES	
L0000682	0	0.14740E-05	460350.3	3772808.9	383.0	4.50	0.93	4.88	YES	
L0000683	0	0.14740E-05	460352.3	3772809.0	383.0	4.50	0.93	4.88	YES	
L0000684	0	0.14740E-05	460354.3	3772809.1	382.9	4.50	0.93	4.88	YES	
L0000685	0	0.14740E-05	460356.3	3772809.1	382.9	4.50	0.93	4.88	YES	
L0000686	0	0.14740E-05	460358.3	3772809.2	382.9	4.50	0.93	4.88	YES	
L0000687	0	0.14740E-05	460360.3	3772809.2	382.9	4.50	0.93	4.88	YES	
L0000688	0	0.14740E-05	460362.3	3772809.3	382.8	4.50	0.93	4.88	YES	
L0000689	0	0.14740E-05	460364.3	3772809.3	382.8	4.50	0.93	4.88	YES	
L0000690	0	0.14740E-05	460366.3	3772809.4	382.8	4.50	0.93	4.88	YES	
L0000691	0	0.14740E-05	460368.3	3772809.4	382.7	4.50	0.93	4.88	YES	
L0000692	0	0.14740E-05	460370.3	3772809.5	382.7	4.50	0.93	4.88	YES	
L0000693	0	0.14740E-05	460372.3	3772809.6	382.7	4.50	0.93	4.88	YES	
L0000694	0	0.14740E-05	460374.3	3772809.6	382.6	4.50	0.93	4.88	YES	
L0000695	0	0.14740E-05	460376.3	3772809.7	382.6	4.50	0.93	4.88	YES	
L0000696	0	0.14740E-05	460378.3	3772809.7	382.6	4.50	0.93			

4.88	YES								
L0000697		0	0.14740E-05	460380.3	3772809.8	382.5	4.50	0.93	
4.88	YES								
L0000698		0	0.14740E-05	460382.3	3772809.8	382.5	4.50	0.93	
4.88	YES								
L0000699		0	0.14740E-05	460384.3	3772809.9	382.5	4.50	0.93	
4.88	YES								
L0000700		0	0.14740E-05	460386.3	3772810.0	382.4	4.50	0.93	
4.88	YES								
L0000701		0	0.14740E-05	460388.3	3772810.0	382.4	4.50	0.93	
4.88	YES								
L0000702		0	0.14740E-05	460390.3	3772810.1	382.4	4.50	0.93	
4.88	YES								
L0000703		0	0.14740E-05	460392.3	3772810.1	382.3	4.50	0.93	
4.88	YES								
L0000704		0	0.14740E-05	460394.3	3772810.2	382.3	4.50	0.93	
4.88	YES								
L0000705		0	0.14740E-05	460396.3	3772810.2	382.3	4.50	0.93	
4.88	YES								
L0000706		0	0.14740E-05	460398.3	3772810.3	382.2	4.50	0.93	
4.88	YES								
L0000707		0	0.14740E-05	460400.3	3772810.4	382.2	4.50	0.93	
4.88	YES								
L0000708		0	0.14740E-05	460402.3	3772810.4	382.2	4.50	0.93	
4.88	YES								
L0000709		0	0.14740E-05	460404.3	3772810.5	382.2	4.50	0.93	
4.88	YES								
L0000710		0	0.14740E-05	460406.3	3772810.5	382.2	4.50	0.93	
4.88	YES								
L0000711		0	0.14740E-05	460408.3	3772810.6	382.2	4.50	0.93	
4.88	YES								
L0000712		0	0.14740E-05	460410.3	3772810.6	382.2	4.50	0.93	
4.88	YES								
L0000713		0	0.14740E-05	460412.3	3772810.7	382.2	4.50	0.93	
4.88	YES								
L0000714		0	0.14740E-05	460414.3	3772810.8	382.1	4.50	0.93	
4.88	YES								
L0000715		0	0.14740E-05	460416.3	3772810.8	382.1	4.50	0.93	
4.88	YES								
L0000716		0	0.14740E-05	460418.3	3772810.9	382.1	4.50	0.93	
4.88	YES								
L0000717		0	0.14740E-05	460420.3	3772810.9	382.1	4.50	0.93	
4.88	YES								
L0000718		0	0.14740E-05	460422.3	3772811.0	382.1	4.50	0.93	
4.88	YES								
L0000719		0	0.14740E-05	460424.3	3772811.0	382.1	4.50	0.93	
4.88	YES								
L0000720		0	0.14740E-05	460426.3	3772811.1	382.1	4.50	0.93	

4.88 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000721	0	0.14740E-05	460428.3	3772811.1	382.1	4.50	0.93	4.88	YES	
L0000722	0	0.14740E-05	460430.3	3772811.2	382.1	4.50	0.93	4.88	YES	
L0000723	0	0.14740E-05	460432.3	3772811.3	382.1	4.50	0.93	4.88	YES	
L0000724	0	0.14740E-05	460434.3	3772811.3	382.1	4.50	0.93	4.88	YES	
L0000725	0	0.14740E-05	460436.3	3772811.4	382.1	4.50	0.93	4.88	YES	
L0000726	0	0.14740E-05	460438.3	3772811.4	382.1	4.50	0.93	4.88	YES	
L0000727	0	0.14740E-05	460440.3	3772811.5	382.1	4.50	0.93	4.88	YES	
L0000728	0	0.14740E-05	460442.3	3772811.5	382.1	4.50	0.93	4.88	YES	
L0000729	0	0.14740E-05	460444.3	3772811.6	382.1	4.50	0.93	4.88	YES	
L0000730	0	0.14740E-05	460446.3	3772811.7	382.1	4.50	0.93	4.88	YES	
L0000731	0	0.14740E-05	460448.3	3772811.7	382.1	4.50	0.93	4.88	YES	
L0000732	0	0.14740E-05	460450.3	3772811.8	382.1	4.50	0.93	4.88	YES	
L0000733	0	0.14740E-05	460452.3	3772811.8	382.1	4.50	0.93	4.88	YES	
L0000734	0	0.14740E-05	460454.3	3772811.9	382.1	4.50	0.93			

L0000735	0	0.14740E-05	460456.3	3772811.9	382.1	4.50	0.93	4.88	YES
L0000736	0	0.14740E-05	460458.3	3772812.0	382.1	4.50	0.93	4.88	YES
L0000737	0	0.14740E-05	460460.3	3772812.1	382.1	4.50	0.93	4.88	YES
L0000738	0	0.14740E-05	460462.3	3772812.1	382.1	4.50	0.93	4.88	YES
L0000739	0	0.14740E-05	460464.3	3772812.2	382.1	4.50	0.93	4.88	YES
L0000740	0	0.14740E-05	460466.3	3772812.2	382.1	4.50	0.93	4.88	YES
L0000741	0	0.14740E-05	460468.3	3772812.3	382.1	4.50	0.93	4.88	YES
L0000742	0	0.14740E-05	460470.3	3772812.3	382.1	4.50	0.93	4.88	YES
L0000743	0	0.14740E-05	460472.3	3772812.4	382.1	4.50	0.93	4.88	YES
L0000744	0	0.14740E-05	460474.3	3772812.4	382.1	4.50	0.93	4.88	YES
L0000745	0	0.14740E-05	460476.3	3772812.5	382.2	4.50	0.93	4.88	YES
L0000746	0	0.14740E-05	460478.3	3772812.6	382.2	4.50	0.93	4.88	YES
L0000747	0	0.14740E-05	460480.3	3772812.6	382.2	4.50	0.93	4.88	YES
L0000748	0	0.14740E-05	460482.3	3772812.7	382.2	4.50	0.93	4.88	YES
L0000749	0	0.14740E-05	460484.3	3772812.7	382.2	4.50	0.93	4.88	YES
L0000750	0	0.14740E-05	460486.3	3772812.8	382.2	4.50	0.93	4.88	YES
L0000751	0	0.14740E-05	460488.3	3772812.8	382.2	4.50	0.93	4.88	YES
L0000752	0	0.14740E-05	460490.3	3772812.9	382.2	4.50	0.93	4.88	YES
L0000753	0	0.14740E-05	460492.3	3772813.0	382.2	4.50	0.93	4.88	YES
L0000754	0	0.14740E-05	460494.3	3772813.0	382.2	4.50	0.93	4.88	YES
L0000755	0	0.14740E-05	460496.3	3772813.1	382.2	4.50	0.93	4.88	YES
L0000756	0	0.14740E-05	460498.3	3772813.1	382.3	4.50	0.93	4.88	YES
L0000757	0	0.14740E-05	460500.3	3772813.2	382.3	4.50	0.93	4.88	YES
L0000758	0	0.14740E-05	460502.3	3772813.2	382.3	4.50	0.93		

```
4.88     YES
 L0000759         0   0.14740E-05  460504.3 3772813.3   382.3     4.50     0.93
4.88     YES
 L0000760         0   0.14740E-05  460506.3 3772813.4   382.3     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

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

 L0000761         0   0.14740E-05  460508.2 3772813.4   382.3     4.50     0.93
4.88     YES
 L0000762         0   0.14740E-05  460510.2 3772813.5   382.3     4.50     0.93
4.88     YES
 L0000763         0   0.14740E-05  460512.2 3772813.5   382.3     4.50     0.93
4.88     YES
 L0000764         0   0.14740E-05  460514.2 3772813.6   382.3     4.50     0.93
4.88     YES
 L0000765         0   0.14740E-05  460516.2 3772813.6   382.3     4.50     0.93
4.88     YES
 L0000766         0   0.14740E-05  460518.2 3772813.7   382.3     4.50     0.93
4.88     YES
 L0000767         0   0.14740E-05  460520.2 3772813.7   382.3     4.50     0.93
4.88     YES
 L0000768         0   0.14740E-05  460522.2 3772813.8   382.3     4.50     0.93
4.88     YES
 L0000769         0   0.14740E-05  460524.2 3772813.9   382.3     4.50     0.93
4.88     YES
 L0000770         0   0.14740E-05  460526.2 3772813.9   382.3     4.50     0.93
4.88     YES
 L0000771         0   0.14740E-05  460528.2 3772814.0   382.3     4.50     0.93
4.88     YES
 L0000772         0   0.14740E-05  460530.2 3772814.0   382.3     4.50     0.93
```

4.88	YES								
L0000773		0	0.14740E-05	460532.2	3772814.1	382.3	4.50	0.93	
4.88	YES								
L0000774		0	0.14740E-05	460534.2	3772814.1	382.3	4.50	0.93	
4.88	YES								
L0000775		0	0.14740E-05	460536.2	3772814.2	382.3	4.50	0.93	
4.88	YES								
L0000776		0	0.14740E-05	460538.2	3772814.3	382.3	4.50	0.93	
4.88	YES								
L0000777		0	0.14740E-05	460540.2	3772814.3	382.3	4.50	0.93	
4.88	YES								
L0000778		0	0.14740E-05	460542.2	3772814.4	382.3	4.50	0.93	
4.88	YES								
L0000779		0	0.14740E-05	460544.2	3772814.4	382.3	4.50	0.93	
4.88	YES								
L0000780		0	0.14740E-05	460546.2	3772814.5	382.3	4.50	0.93	
4.88	YES								
L0000781		0	0.14740E-05	460548.2	3772814.5	382.3	4.50	0.93	
4.88	YES								
L0000782		0	0.14740E-05	460550.2	3772814.6	382.3	4.50	0.93	
4.88	YES								
L0000783		0	0.14740E-05	460552.2	3772814.7	382.3	4.50	0.93	
4.88	YES								
L0000784		0	0.14740E-05	460554.2	3772814.7	382.3	4.50	0.93	
4.88	YES								
L0000785		0	0.14740E-05	460556.2	3772814.8	382.3	4.50	0.93	
4.88	YES								
L0000786		0	0.14740E-05	460558.2	3772814.8	382.3	4.50	0.93	
4.88	YES								
L0000787		0	0.14740E-05	460560.2	3772814.9	382.3	4.50	0.93	
4.88	YES								
L0000788		0	0.14740E-05	460562.2	3772814.9	382.3	4.50	0.93	
4.88	YES								
L0000789		0	0.14740E-05	460564.2	3772815.0	382.3	4.50	0.93	
4.88	YES								
L0000790		0	0.14740E-05	460566.2	3772815.0	382.3	4.50	0.93	
4.88	YES								
L0000791		0	0.14740E-05	460568.2	3772815.1	382.3	4.50	0.93	
4.88	YES								
L0000792		0	0.14740E-05	460570.2	3772815.2	382.3	4.50	0.93	
4.88	YES								
L0000793		0	0.14740E-05	460572.2	3772815.2	382.3	4.50	0.93	
4.88	YES								
L0000794		0	0.14740E-05	460574.2	3772815.3	382.3	4.50	0.93	
4.88	YES								
L0000795		0	0.14740E-05	460576.2	3772815.3	382.3	4.50	0.93	
4.88	YES								
L0000796		0	0.14740E-05	460578.2	3772815.4	382.3	4.50	0.93	

```
4.88     YES
 L0000797         0   0.14740E-05  460580.2 3772815.4   382.3     4.50     0.93
4.88     YES
 L0000798         0   0.14740E-05  460582.2 3772815.5   382.3     4.50     0.93
4.88     YES
 L0000799         0   0.14740E-05  460584.2 3772815.6   382.3     4.50     0.93
4.88     YES
 L0000800         0   0.14740E-05  460586.2 3772815.6   382.3     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

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

 L0000801         0   0.14740E-05  460588.2 3772815.7   382.3     4.50     0.93
4.88     YES
 L0000802         0   0.14740E-05  460590.2 3772815.7   382.3     4.50     0.93
4.88     YES
 L0000803         0   0.14740E-05  460592.2 3772815.8   382.4     4.50     0.93
4.88     YES
 L0000804         0   0.14740E-05  460594.2 3772815.8   382.4     4.50     0.93
4.88     YES
 L0000805         0   0.14740E-05  460596.2 3772815.9   382.4     4.50     0.93
4.88     YES
 L0000806         0   0.14740E-05  460598.2 3772816.0   382.4     4.50     0.93
4.88     YES
 L0000807         0   0.14740E-05  460600.2 3772816.0   382.4     4.50     0.93
4.88     YES
 L0000808         0   0.14740E-05  460602.2 3772816.1   382.4     4.50     0.93
4.88     YES
 L0000809         0   0.14740E-05  460604.2 3772816.1   382.4     4.50     0.93
4.88     YES
 L0000810         0   0.14740E-05  460606.2 3772816.2   382.3     4.50     0.93
```

L0000811	0	0.14740E-05	460608.2	3772816.2	382.3	4.50	0.93	4.88	YES
L0000812	0	0.14740E-05	460610.2	3772816.3	382.3	4.50	0.93	4.88	YES
L0000813	0	0.14740E-05	460612.2	3772816.3	382.3	4.50	0.93	4.88	YES
L0000814	0	0.14740E-05	460614.2	3772816.4	382.3	4.50	0.93	4.88	YES
L0000815	0	0.14740E-05	460616.2	3772816.5	382.3	4.50	0.93	4.88	YES
L0000816	0	0.14740E-05	460618.2	3772816.5	382.2	4.50	0.93	4.88	YES
L0000817	0	0.14740E-05	460620.2	3772816.6	382.2	4.50	0.93	4.88	YES
L0000818	0	0.14740E-05	460622.2	3772816.6	382.2	4.50	0.93	4.88	YES
L0000819	0	0.14740E-05	460624.2	3772816.7	382.2	4.50	0.93	4.88	YES
L0000820	0	0.14740E-05	460626.2	3772816.7	382.2	4.50	0.93	4.88	YES
L0000821	0	0.14740E-05	460628.2	3772816.8	382.2	4.50	0.93	4.88	YES
L0000822	0	0.14740E-05	460630.2	3772816.9	382.2	4.50	0.93	4.88	YES
L0000823	0	0.14740E-05	460632.2	3772816.9	382.2	4.50	0.93	4.88	YES
L0000824	0	0.14740E-05	460634.2	3772817.0	382.1	4.50	0.93	4.88	YES
L0000825	0	0.14740E-05	460636.2	3772817.0	382.1	4.50	0.93	4.88	YES
L0000826	0	0.14740E-05	460638.2	3772817.1	382.1	4.50	0.93	4.88	YES
L0000827	0	0.14740E-05	460640.2	3772817.1	382.1	4.50	0.93	4.88	YES
L0000828	0	0.14740E-05	460642.2	3772817.2	382.1	4.50	0.93	4.88	YES
L0000829	0	0.14740E-05	460644.2	3772817.3	382.1	4.50	0.93	4.88	YES
L0000830	0	0.14740E-05	460646.2	3772817.3	382.1	4.50	0.93	4.88	YES
L0000831	0	0.14740E-05	460648.2	3772817.4	382.1	4.50	0.93	4.88	YES
L0000832	0	0.14740E-05	460650.2	3772817.4	382.1	4.50	0.93	4.88	YES
L0000833	0	0.14740E-05	460652.2	3772817.5	382.0	4.50	0.93	4.88	YES
L0000834	0	0.14740E-05	460654.2	3772817.5	382.0	4.50	0.93		

```
4.88     YES
 L0000835         0   0.14740E-05  460656.2 3772817.6   382.0     4.50     0.93
4.88     YES
 L0000836         0   0.14740E-05  460658.2 3772817.6   382.0     4.50     0.93
4.88     YES
 L0000837         0   0.14740E-05  460660.2 3772817.7   382.0     4.50     0.93
4.88     YES
 L0000838         0   0.14740E-05  460662.2 3772817.8   382.0     4.50     0.93
4.88     YES
 L0000839         0   0.14740E-05  460664.2 3772817.8   382.0     4.50     0.93
4.88     YES
 L0000840         0   0.14740E-05  460666.2 3772817.9   382.0     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0000841         0   0.14740E-05  460668.2 3772817.9   382.0     4.50     0.93
4.88     YES
 L0000842         0   0.14740E-05  460670.2 3772818.0   382.0     4.50     0.93
4.88     YES
 L0000843         0   0.14740E-05  460672.2 3772818.0   382.0     4.50     0.93
4.88     YES
 L0000844         0   0.14740E-05  460674.2 3772818.1   382.0     4.50     0.93
4.88     YES
 L0000845         0   0.14740E-05  460676.2 3772818.2   382.0     4.50     0.93
4.88     YES
 L0000846         0   0.14740E-05  460678.2 3772818.2   382.0     4.50     0.93
4.88     YES
 L0000847         0   0.14740E-05  460680.2 3772818.3   382.0     4.50     0.93
4.88     YES
 L0000848         0   0.14740E-05  460682.2 3772818.3   382.0     4.50     0.93
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L0000849	0	0.14740E-05	460684.2	3772818.4	382.0	4.50	0.93	4.88	YES
L0000850	0	0.14740E-05	460686.2	3772818.4	382.0	4.50	0.93	4.88	YES
L0000851	0	0.14740E-05	460688.2	3772818.5	382.0	4.50	0.93	4.88	YES
L0000852	0	0.14740E-05	460690.2	3772818.6	381.9	4.50	0.93	4.88	YES
L0000853	0	0.14740E-05	460692.2	3772818.6	381.9	4.50	0.93	4.88	YES
L0000854	0	0.14740E-05	460694.2	3772818.7	381.9	4.50	0.93	4.88	YES
L0000855	0	0.14740E-05	460696.2	3772818.7	381.9	4.50	0.93	4.88	YES
L0000856	0	0.14740E-05	460698.2	3772818.8	381.9	4.50	0.93	4.88	YES
L0000857	0	0.14740E-05	460700.2	3772818.8	381.9	4.50	0.93	4.88	YES
L0000858	0	0.14740E-05	460702.2	3772818.9	381.9	4.50	0.93	4.88	YES
L0000859	0	0.14740E-05	460704.2	3772819.0	381.9	4.50	0.93	4.88	YES
L0000860	0	0.14740E-05	460706.2	3772819.0	381.9	4.50	0.93	4.88	YES
L0000861	0	0.14740E-05	460708.2	3772819.1	381.9	4.50	0.93	4.88	YES
L0000862	0	0.14740E-05	460710.2	3772819.1	381.9	4.50	0.93	4.88	YES
L0000863	0	0.14740E-05	460712.2	3772819.2	381.9	4.50	0.93	4.88	YES
L0000864	0	0.14740E-05	460714.2	3772819.2	381.9	4.50	0.93	4.88	YES
L0000865	0	0.14740E-05	460716.2	3772819.3	381.9	4.50	0.93	4.88	YES
L0000866	0	0.14740E-05	460718.2	3772819.3	381.9	4.50	0.93	4.88	YES
L0000867	0	0.14740E-05	460720.2	3772819.4	381.9	4.50	0.93	4.88	YES
L0000868	0	0.14740E-05	460722.2	3772819.5	381.9	4.50	0.93	4.88	YES
L0000869	0	0.14740E-05	460724.2	3772819.5	381.9	4.50	0.93	4.88	YES
L0000870	0	0.14740E-05	460726.2	3772819.6	381.9	4.50	0.93	4.88	YES
L0000871	0	0.14740E-05	460728.2	3772819.6	381.9	4.50	0.93	4.88	YES
L0000872	0	0.14740E-05	460730.2	3772819.7	381.9	4.50	0.93		

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4.88     YES
 L0000873         0   0.14740E-05  460732.2 3772819.7   381.9     4.50     0.93
4.88     YES
 L0000874         0   0.14740E-05  460734.2 3772819.8   381.9     4.50     0.93
4.88     YES
 L0000875         0   0.14740E-05  460736.2 3772819.9   381.9     4.50     0.93
4.88     YES
 L0000876         0   0.14740E-05  460738.2 3772819.9   381.9     4.50     0.93
4.88     YES
 L0000877         0   0.14740E-05  460740.2 3772820.0   381.9     4.50     0.93
4.88     YES
 L0000878         0   0.14740E-05  460742.2 3772820.0   381.9     4.50     0.93
4.88     YES
 L0000879         0   0.14740E-05  460744.2 3772820.1   381.9     4.50     0.93
4.88     YES
 L0000880         0   0.14740E-05  460746.2 3772820.1   381.9     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0000881         0   0.14740E-05  460748.2 3772820.2   381.9     4.50     0.93
4.88     YES
 L0000882         0   0.14740E-05  460750.2 3772820.3   381.9     4.50     0.93
4.88     YES
 L0000883         0   0.14740E-05  460752.2 3772820.3   381.9     4.50     0.93
4.88     YES
 L0000884         0   0.14740E-05  460754.2 3772820.4   381.9     4.50     0.93
4.88     YES
 L0000885         0   0.14740E-05  460756.2 3772820.4   381.9     4.50     0.93
4.88     YES
 L0000886         0   0.14740E-05  460758.1 3772820.5   381.9     4.50     0.93
```

4.88	YES								
L0000887		0	0.14740E-05	460760.1	3772820.5	381.9	4.50	0.93	
4.88	YES								
L0000888		0	0.14740E-05	460762.1	3772820.6	381.9	4.50	0.93	
4.88	YES								
L0000889		0	0.14740E-05	460764.1	3772820.6	381.9	4.50	0.93	
4.88	YES								
L0000890		0	0.14740E-05	460766.1	3772820.7	381.9	4.50	0.93	
4.88	YES								
L0000891		0	0.14740E-05	460768.1	3772820.8	381.9	4.50	0.93	
4.88	YES								
L0000892		0	0.14740E-05	460770.1	3772820.8	382.0	4.50	0.93	
4.88	YES								
L0000893		0	0.14740E-05	460772.1	3772820.9	382.0	4.50	0.93	
4.88	YES								
L0000894		0	0.14740E-05	460774.1	3772820.9	382.0	4.50	0.93	
4.88	YES								
L0000895		0	0.14740E-05	460776.1	3772821.0	382.0	4.50	0.93	
4.88	YES								
L0000896		0	0.14740E-05	460778.1	3772821.0	382.0	4.50	0.93	
4.88	YES								
L0000897		0	0.14740E-05	460780.1	3772821.1	382.0	4.50	0.93	
4.88	YES								
L0000898		0	0.14740E-05	460782.1	3772821.2	382.0	4.50	0.93	
4.88	YES								
L0000899		0	0.14740E-05	460784.1	3772821.2	382.0	4.50	0.93	
4.88	YES								
L0000900		0	0.14740E-05	460786.1	3772821.3	382.0	4.50	0.93	
4.88	YES								
L0000901		0	0.14740E-05	460788.1	3772821.3	382.0	4.50	0.93	
4.88	YES								
L0000902		0	0.14740E-05	460790.1	3772821.4	382.0	4.50	0.93	
4.88	YES								
L0000903		0	0.14740E-05	460792.1	3772821.4	382.0	4.50	0.93	
4.88	YES								
L0000904		0	0.14740E-05	460794.1	3772821.5	382.0	4.50	0.93	
4.88	YES								
L0000905		0	0.14740E-05	460796.1	3772821.6	382.0	4.50	0.93	
4.88	YES								
L0000906		0	0.14740E-05	460798.1	3772821.6	382.0	4.50	0.93	
4.88	YES								
L0000907		0	0.14740E-05	460800.1	3772821.7	382.0	4.50	0.93	
4.88	YES								
L0000908		0	0.14740E-05	460802.1	3772821.7	382.0	4.50	0.93	
4.88	YES								
L0000909		0	0.14740E-05	460804.1	3772821.8	382.0	4.50	0.93	
4.88	YES								
L0000910		0	0.14740E-05	460806.1	3772821.8	382.1	4.50	0.93	

```
4.88     YES
 L0000911         0   0.14740E-05  460808.1 3772821.9   382.1     4.50     0.93
4.88     YES
 L0000912         0   0.14740E-05  460810.1 3772821.9   382.1     4.50     0.93
4.88     YES
 L0000913         0   0.14740E-05  460812.1 3772822.0   382.1     4.50     0.93
4.88     YES
 L0000914         0   0.14740E-05  460814.1 3772822.1   382.1     4.50     0.93
4.88     YES
 L0000915         0   0.14740E-05  460816.1 3772822.1   382.1     4.50     0.93
4.88     YES
 L0000916         0   0.14740E-05  460818.1 3772822.2   382.1     4.50     0.93
4.88     YES
 L0000917         0   0.14740E-05  460820.1 3772822.2   382.1     4.50     0.93
4.88     YES
 L0000918         0   0.14740E-05  460822.1 3772822.3   382.1     4.50     0.93
4.88     YES
 L0000919         0   0.14740E-05  460824.1 3772822.3   382.1     4.50     0.93
4.88     YES
 L0000920         0   0.14740E-05  460826.1 3772822.4   382.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0000921         0   0.14740E-05  460828.1 3772822.5   382.1     4.50     0.93
4.88     YES
 L0000922         0   0.14740E-05  460830.1 3772822.5   382.1     4.50     0.93
4.88     YES
 L0000923         0   0.14740E-05  460832.1 3772822.6   382.1     4.50     0.93
4.88     YES
 L0000924         0   0.14740E-05  460834.1 3772822.6   382.1     4.50     0.93
```

4.88	YES								
L0000925		0	0.14740E-05	460836.1	3772822.7	382.1	4.50	0.93	
4.88	YES								
L0000926		0	0.14740E-05	460838.1	3772822.7	382.1	4.50	0.93	
4.88	YES								
L0000927		0	0.14740E-05	460840.1	3772822.8	382.1	4.50	0.93	
4.88	YES								
L0000928		0	0.14740E-05	460842.1	3772822.9	382.1	4.50	0.93	
4.88	YES								
L0000929		0	0.14740E-05	460844.1	3772822.9	382.1	4.50	0.93	
4.88	YES								
L0000930		0	0.14740E-05	460846.1	3772823.0	382.1	4.50	0.93	
4.88	YES								
L0000931		0	0.14740E-05	460848.1	3772823.0	382.1	4.50	0.93	
4.88	YES								
L0000932		0	0.14740E-05	460850.1	3772823.1	382.1	4.50	0.93	
4.88	YES								
L0000933		0	0.14740E-05	460852.1	3772823.1	382.1	4.50	0.93	
4.88	YES								
L0000934		0	0.14740E-05	460854.1	3772823.2	382.1	4.50	0.93	
4.88	YES								
L0000935		0	0.14740E-05	460856.1	3772823.2	382.1	4.50	0.93	
4.88	YES								
L0000936		0	0.14740E-05	460858.1	3772823.3	382.1	4.50	0.93	
4.88	YES								
L0000937		0	0.14740E-05	460860.1	3772823.4	382.1	4.50	0.93	
4.88	YES								
L0000938		0	0.14740E-05	460862.1	3772823.4	382.1	4.50	0.93	
4.88	YES								
L0000939		0	0.14740E-05	460864.1	3772823.5	382.1	4.50	0.93	
4.88	YES								
L0000940		0	0.14740E-05	460866.1	3772823.5	382.1	4.50	0.93	
4.88	YES								
L0000941		0	0.14740E-05	460868.1	3772823.6	382.1	4.50	0.93	
4.88	YES								
L0000942		0	0.14740E-05	460870.1	3772823.6	382.1	4.50	0.93	
4.88	YES								
L0000943		0	0.14740E-05	460872.1	3772823.7	382.1	4.50	0.93	
4.88	YES								
L0000944		0	0.14740E-05	460874.1	3772823.8	382.1	4.50	0.93	
4.88	YES								
L0000945		0	0.14740E-05	460876.1	3772823.8	382.1	4.50	0.93	
4.88	YES								
L0000946		0	0.14740E-05	460878.1	3772823.9	382.1	4.50	0.93	
4.88	YES								
L0000947		0	0.14740E-05	460880.1	3772823.9	382.1	4.50	0.93	
4.88	YES								
L0000948		0	0.14740E-05	460882.1	3772824.0	382.1	4.50	0.93	

4.88 YES
L0000949 0 0.14740E-05 460884.1 3772824.0 382.1 4.50 0.93
4.88 YES
L0000950 0 0.14740E-05 460886.1 3772824.1 382.1 4.50 0.93
4.88 YES
L0000951 0 0.14740E-05 460888.1 3772824.2 382.1 4.50 0.93
4.88 YES
L0000952 0 0.14740E-05 460890.1 3772824.2 382.1 4.50 0.93
4.88 YES
L0000953 0 0.14740E-05 460892.1 3772824.3 382.1 4.50 0.93
4.88 YES
L0000954 0 0.14740E-05 460894.1 3772824.3 382.1 4.50 0.93
4.88 YES
L0000955 0 0.14740E-05 460896.1 3772824.4 382.1 4.50 0.93
4.88 YES
L0000956 0 0.14740E-05 460898.1 3772824.4 382.1 4.50 0.93
4.88 YES
L0000957 0 0.14740E-05 460900.1 3772824.5 382.1 4.50 0.93
4.88 YES
L0000958 0 0.14740E-05 460902.1 3772824.6 382.1 4.50 0.93
4.88 YES
L0000959 0 0.14740E-05 460904.1 3772824.6 382.1 4.50 0.93
4.88 YES
L0000960 0 0.14740E-05 460906.1 3772824.7 382.1 4.50 0.93
4.88 YES

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY SZ SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) BY
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L0000963	0	0.14740E-05	460912.1	3772824.8	382.1	4.50	0.93	4.88	YES
L0000964	0	0.14740E-05	460914.1	3772824.9	382.1	4.50	0.93	4.88	YES
L0000965	0	0.14740E-05	460916.1	3772824.9	382.1	4.50	0.93	4.88	YES
L0000966	0	0.14740E-05	460918.1	3772825.0	382.1	4.50	0.93	4.88	YES
L0000967	0	0.14740E-05	460920.1	3772825.1	382.1	4.50	0.93	4.88	YES
L0000968	0	0.14740E-05	460922.1	3772825.1	382.1	4.50	0.93	4.88	YES
L0000969	0	0.14740E-05	460924.1	3772825.2	382.1	4.50	0.93	4.88	YES
L0000970	0	0.14740E-05	460926.1	3772825.2	382.1	4.50	0.93	4.88	YES
L0000971	0	0.14740E-05	460928.1	3772825.3	382.1	4.50	0.93	4.88	YES
L0000972	0	0.14740E-05	460930.1	3772825.3	382.1	4.50	0.93	4.88	YES
L0000973	0	0.14740E-05	460932.1	3772825.4	382.1	4.50	0.93	4.88	YES
L0000974	0	0.14740E-05	460934.1	3772825.5	382.1	4.50	0.93	4.88	YES
L0000975	0	0.14740E-05	460936.1	3772825.5	382.1	4.50	0.93	4.88	YES
L0000976	0	0.14740E-05	460938.1	3772825.6	382.1	4.50	0.93	4.88	YES
L0000977	0	0.14740E-05	460940.1	3772825.6	382.1	4.50	0.93	4.88	YES
L0000978	0	0.14740E-05	460942.1	3772825.7	382.1	4.50	0.93	4.88	YES
L0000979	0	0.14740E-05	460944.1	3772825.7	382.1	4.50	0.93	4.88	YES
L0000980	0	0.14740E-05	460946.1	3772825.8	382.1	4.50	0.93	4.88	YES
L0000981	0	0.14740E-05	460948.1	3772825.9	382.1	4.50	0.93	4.88	YES
L0000982	0	0.14740E-05	460950.1	3772825.9	382.1	4.50	0.93	4.88	YES
L0000983	0	0.14740E-05	460952.1	3772826.0	382.1	4.50	0.93	4.88	YES
L0000984	0	0.14740E-05	460954.1	3772826.0	382.1	4.50	0.93	4.88	YES
L0000985	0	0.14740E-05	460956.1	3772826.1	382.1	4.50	0.93	4.88	YES
L0000986	0	0.14740E-05	460958.1	3772826.1	382.1	4.50	0.93		

```
4.88     YES
 L0000987         0   0.14740E-05  460960.1 3772826.2   382.1     4.50     0.93
4.88     YES
 L0000988         0   0.14740E-05  460962.1 3772826.2   382.1     4.50     0.93
4.88     YES
 L0000989         0   0.14740E-05  460964.1 3772826.3   382.1     4.50     0.93
4.88     YES
 L0000990         0   0.14740E-05  460966.1 3772826.4   382.1     4.50     0.93
4.88     YES
 L0000991         0   0.14740E-05  460968.1 3772826.4   382.1     4.50     0.93
4.88     YES
 L0000992         0   0.14740E-05  460970.1 3772826.5   382.1     4.50     0.93
4.88     YES
 L0000993         0   0.14740E-05  460972.1 3772826.5   382.1     4.50     0.93
4.88     YES
 L0000994         0   0.14740E-05  460974.1 3772826.6   382.1     4.50     0.93
4.88     YES
 L0000995         0   0.14740E-05  460976.1 3772826.6   382.1     4.50     0.93
4.88     YES
 L0000996         0   0.14740E-05  460978.1 3772826.7   382.1     4.50     0.93
4.88     YES
 L0000997         0   0.14740E-05  460980.1 3772826.8   382.1     4.50     0.93
4.88     YES
 L0000998         0   0.14740E-05  460982.1 3772826.8   382.1     4.50     0.93
4.88     YES
 L0000999         0   0.14740E-05  460984.1 3772826.9   382.1     4.50     0.93
4.88     YES
 L0001000         0   0.14740E-05  460986.1 3772826.9   382.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:21:03

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


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0001001         0   0.14740E-05  460988.1 3772827.0   382.1     4.50     0.93
4.88     YES
 L0001002         0   0.14740E-05  460990.1 3772827.0   382.1     4.50     0.93
4.88     YES
 L0001003         0   0.14740E-05  460992.1 3772827.1   382.1     4.50     0.93
4.88     YES
 L0001004         0   0.14740E-05  460994.1 3772827.2   382.1     4.50     0.93
4.88     YES
 L0001005         0   0.14740E-05  460996.1 3772827.2   382.1     4.50     0.93
4.88     YES
 L0001006         0   0.14740E-05  460998.1 3772827.3   382.1     4.50     0.93
4.88     YES
 L0001007         0   0.14740E-05  461000.1 3772827.3   382.1     4.50     0.93
4.88     YES
 L0001008         0   0.14740E-05  461002.1 3772827.4   382.1     4.50     0.93
4.88     YES
 L0001009         0   0.14740E-05  461004.1 3772827.4   382.2     4.50     0.93
4.88     YES
 L0001010         0   0.14740E-05  461006.1 3772827.5   382.2     4.50     0.93
4.88     YES
 L0001011         0   0.14740E-05  461008.0 3772827.5   382.2     4.50     0.93
4.88     YES
 L0001012         0   0.14740E-05  461010.0 3772827.6   382.2     4.50     0.93
4.88     YES
 L0001013         0   0.14740E-05  461012.0 3772827.7   382.2     4.50     0.93
4.88     YES
 L0001014         0   0.14740E-05  461014.0 3772827.7   382.2     4.50     0.93
4.88     YES
 L0001015         0   0.14740E-05  461016.0 3772827.8   382.2     4.50     0.93
4.88     YES
 L0001016         0   0.14740E-05  461018.0 3772827.8   382.2     4.50     0.93
4.88     YES
 L0001017         0   0.14740E-05  461020.0 3772827.9   382.2     4.50     0.93
4.88     YES
 L0001018         0   0.14740E-05  461022.0 3772827.9   382.2     4.50     0.93
4.88     YES
 L0001019         0   0.14740E-05  461024.0 3772828.0   382.3     4.50     0.93
4.88     YES
 L0001020         0   0.14740E-05  461026.0 3772828.1   382.3     4.50     0.93
4.88     YES
 L0001021         0   0.14740E-05  461028.0 3772828.1   382.3     4.50     0.93
4.88     YES
 L0001022         0   0.14740E-05  461030.0 3772828.2   382.3     4.50     0.93
4.88     YES
 L0001023         0   0.14740E-05  461032.0 3772828.2   382.3     4.50     0.93
4.88     YES
 L0001024         0   0.14740E-05  461034.0 3772828.3   382.3     4.50     0.93
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4.88     YES
 L0001025         0   0.14740E-05  461036.0 3772828.3   382.3     4.50     0.93
4.88     YES
 L0001026         0   0.14740E-05  461038.0 3772828.4   382.3     4.50     0.93
4.88     YES
 L0001027         0   0.14740E-05  461040.0 3772828.5   382.3     4.50     0.93
4.88     YES
 L0001028         0   0.14740E-05  461042.0 3772828.5   382.3     4.50     0.93
4.88     YES
 L0001029         0   0.14740E-05  461044.0 3772828.6   382.4     4.50     0.93
4.88     YES
 L0001030         0   0.14740E-05  461046.0 3772828.6   382.4     4.50     0.93
4.88     YES
 L0001031         0   0.14740E-05  461048.0 3772828.7   382.4     4.50     0.93
4.88     YES
 L0001032         0   0.14740E-05  461050.0 3772828.7   382.4     4.50     0.93
4.88     YES
 L0001033         0   0.14740E-05  461052.0 3772828.8   382.4     4.50     0.93
4.88     YES
 L0001034         0   0.14740E-05  461054.0 3772828.8   382.4     4.50     0.93
4.88     YES
 L0001035         0   0.14740E-05  461056.0 3772828.9   382.4     4.50     0.93
4.88     YES
 L0001036         0   0.14740E-05  461058.0 3772829.0   382.4     4.50     0.93
4.88     YES
 L0001037         0   0.14740E-05  461060.0 3772829.0   382.4     4.50     0.93
4.88     YES
 L0001038         0   0.14740E-05  461062.0 3772829.1   382.4     4.50     0.93
4.88     YES
 L0001039         0   0.14740E-05  461064.0 3772829.1   382.4     4.50     0.93
4.88     YES
 L0001040         0   0.14740E-05  461066.0 3772829.2   382.4     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0001041	0	0.14740E-05	461068.0	3772829.2	382.4	4.50	0.93	4.88 YES
L0001042	0	0.14740E-05	461070.0	3772829.3	382.4	4.50	0.93	4.88 YES
L0001043	0	0.14740E-05	461072.0	3772829.4	382.4	4.50	0.93	4.88 YES
L0001044	0	0.14740E-05	461074.0	3772829.4	382.4	4.50	0.93	4.88 YES
L0001045	0	0.14740E-05	461076.0	3772829.5	382.4	4.50	0.93	4.88 YES
L0001046	0	0.14740E-05	461078.0	3772829.5	382.4	4.50	0.93	4.88 YES
L0001047	0	0.14740E-05	461080.0	3772829.6	382.4	4.50	0.93	4.88 YES
L0001048	0	0.14740E-05	461082.0	3772829.6	382.4	4.50	0.93	4.88 YES
L0001049	0	0.14740E-05	461084.0	3772829.7	382.4	4.50	0.93	4.88 YES
L0001050	0	0.14740E-05	461086.0	3772829.8	382.4	4.50	0.93	4.88 YES
L0001051	0	0.14740E-05	461088.0	3772829.8	382.4	4.50	0.93	4.88 YES
L0001052	0	0.14740E-05	461090.0	3772829.9	382.4	4.50	0.93	4.88 YES
L0001053	0	0.14740E-05	461092.0	3772829.9	382.4	4.50	0.93	4.88 YES
L0001054	0	0.14740E-05	461094.0	3772830.0	382.4	4.50	0.93	4.88 YES
L0001055	0	0.14740E-05	461096.0	3772830.0	382.4	4.50	0.93	4.88 YES
L0001056	0	0.14740E-05	461098.0	3772830.1	382.4	4.50	0.93	4.88 YES
L0001057	0	0.14740E-05	461100.0	3772830.1	382.4	4.50	0.93	4.88 YES
L0001058	0	0.14740E-05	461102.0	3772830.2	382.4	4.50	0.93	4.88 YES
L0001059	0	0.14740E-05	461104.0	3772830.3	382.4	4.50	0.93	4.88 YES
L0001060	0	0.14740E-05	461106.0	3772830.3	382.4	4.50	0.93	4.88 YES
L0001061	0	0.14740E-05	461108.0	3772830.4	382.4	4.50	0.93	4.88 YES
L0001062	0	0.14740E-05	461110.0	3772830.4	382.4	4.50	0.93	

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4.88     YES
 L0001063         0   0.14740E-05  461112.0 3772830.5   382.4     4.50     0.93
4.88     YES
 L0001064         0   0.14740E-05  461114.0 3772830.5   382.4     4.50     0.93
4.88     YES
 L0001065         0   0.14740E-05  461116.0 3772830.6   382.4     4.50     0.93
4.88     YES
 L0001066         0   0.14740E-05  461118.0 3772830.7   382.4     4.50     0.93
4.88     YES
 L0001067         0   0.14740E-05  461120.0 3772830.7   382.4     4.50     0.93
4.88     YES
 L0001068         0   0.14740E-05  461122.0 3772830.8   382.4     4.50     0.93
4.88     YES
 L0001069         0   0.14740E-05  461124.0 3772830.8   382.4     4.50     0.93
4.88     YES
 L0001070         0   0.14740E-05  461126.0 3772830.9   382.4     4.50     0.93
4.88     YES
 L0001071         0   0.14740E-05  461128.0 3772830.9   382.4     4.50     0.93
4.88     YES
 L0001072         0   0.14740E-05  461130.0 3772831.0   382.4     4.50     0.93
4.88     YES
 L0001073         0   0.14740E-05  461132.0 3772831.1   382.4     4.50     0.93
4.88     YES
 L0001074         0   0.14740E-05  461134.0 3772831.1   382.4     4.50     0.93
4.88     YES
 L0001075         0   0.14740E-05  461136.0 3772831.2   382.4     4.50     0.93
4.88     YES
 L0001076         0   0.14740E-05  461138.0 3772831.2   382.4     4.50     0.93
4.88     YES
 L0001077         0   0.14740E-05  461140.0 3772831.3   382.4     4.50     0.93
4.88     YES
 L0001078         0   0.14740E-05  461142.0 3772831.3   382.5     4.50     0.93
4.88     YES
 L0001079         0   0.14740E-05  461144.0 3772831.4   382.5     4.50     0.93
4.88     YES
 L0001080         0   0.14740E-05  461146.0 3772831.5   382.5     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001081	0	0.14740E-05	461148.0	3772831.5	382.5	4.50	0.93	4.88	YES	
L0001082	0	0.14740E-05	461150.0	3772831.6	382.5	4.50	0.93	4.88	YES	
L0001083	0	0.14740E-05	461152.0	3772831.6	382.5	4.50	0.93	4.88	YES	
L0001084	0	0.14740E-05	461154.0	3772831.7	382.5	4.50	0.93	4.88	YES	
L0001085	0	0.14740E-05	461156.0	3772831.7	382.5	4.50	0.93	4.88	YES	
L0001086	0	0.14740E-05	461158.0	3772831.8	382.5	4.50	0.93	4.88	YES	
L0001087	0	0.14740E-05	461160.0	3772831.8	382.5	4.50	0.93	4.88	YES	
L0001088	0	0.14740E-05	461162.0	3772831.9	382.5	4.50	0.93	4.88	YES	
L0001089	0	0.14740E-05	461164.0	3772832.0	382.5	4.50	0.93	4.88	YES	
L0001090	0	0.14740E-05	461166.0	3772832.0	382.5	4.50	0.93	4.88	YES	
L0001091	0	0.14740E-05	461168.0	3772832.1	382.5	4.50	0.93	4.88	YES	
L0001092	0	0.14740E-05	461170.0	3772832.1	382.5	4.50	0.93	4.88	YES	
L0001093	0	0.14740E-05	461172.0	3772832.2	382.5	4.50	0.93	4.88	YES	
L0001094	0	0.14740E-05	461174.0	3772832.2	382.5	4.50	0.93	4.88	YES	
L0001095	0	0.14740E-05	461176.0	3772832.3	382.5	4.50	0.93	4.88	YES	
L0001096	0	0.14740E-05	461178.0	3772832.4	382.5	4.50	0.93	4.88	YES	
L0001097	0	0.14740E-05	461180.0	3772832.4	382.5	4.50	0.93	4.88	YES	
L0001098	0	0.14740E-05	461182.0	3772832.5	382.5	4.50	0.93	4.88	YES	
L0001099	0	0.14740E-05	461184.0	3772832.5	382.5	4.50	0.93	4.88	YES	
L0001100	0	0.14740E-05	461186.0	3772832.6	382.6	4.50	0.93			

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4.88     YES
 L0001101         0   0.14740E-05  461188.0 3772832.6   382.6     4.50     0.93
4.88     YES
 L0001102         0   0.14740E-05  461190.0 3772832.7   382.6     4.50     0.93
4.88     YES
 L0001103         0   0.14740E-05  461192.0 3772832.8   382.6     4.50     0.93
4.88     YES
 L0001104         0   0.14740E-05  461194.0 3772832.8   382.6     4.50     0.93
4.88     YES
 L0001105         0   0.14740E-05  461196.0 3772832.9   382.5     4.50     0.93
4.88     YES
 L0001106         0   0.14740E-05  461198.0 3772832.9   382.5     4.50     0.93
4.88     YES
 L0001107         0   0.14740E-05  461200.0 3772833.0   382.5     4.50     0.93
4.88     YES
 L0001108         0   0.14740E-05  461202.0 3772833.0   382.5     4.50     0.93
4.88     YES
 L0001109         0   0.14740E-05  461204.0 3772833.1   382.5     4.50     0.93
4.88     YES
 L0001110         0   0.14740E-05  461206.0 3772833.1   382.4     4.50     0.93
4.88     YES
 L0001111         0   0.14740E-05  461208.0 3772833.2   382.4     4.50     0.93
4.88     YES
 L0001112         0   0.14740E-05  461210.0 3772833.3   382.4     4.50     0.93
4.88     YES
 L0001113         0   0.14740E-05  461212.0 3772833.3   382.4     4.50     0.93
4.88     YES
 L0001114         0   0.14740E-05  461214.0 3772833.4   382.4     4.50     0.93
4.88     YES
 L0001115         0   0.14740E-05  461216.0 3772833.4   382.4     4.50     0.93
4.88     YES
 L0001116         0   0.14740E-05  461218.0 3772833.5   382.3     4.50     0.93
4.88     YES
 L0001117         0   0.14740E-05  461220.0 3772833.5   382.3     4.50     0.93
4.88     YES
 L0001118         0   0.14740E-05  461222.0 3772833.6   382.3     4.50     0.93
4.88     YES
 L0001119         0   0.14740E-05  461224.0 3772833.7   382.3     4.50     0.93
4.88     YES
 L0001120         0   0.14740E-05  461226.0 3772833.7   382.3     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0001121	0	0.14740E-05	461228.0	3772833.8	382.3	4.50	0.93	4.88	YES	
L0001122	0	0.14740E-05	461230.0	3772833.8	382.3	4.50	0.93	4.88	YES	
L0001123	0	0.14740E-05	461232.0	3772833.9	382.2	4.50	0.93	4.88	YES	
L0001124	0	0.14740E-05	461234.0	3772833.9	382.2	4.50	0.93	4.88	YES	
L0001125	0	0.14740E-05	461236.0	3772834.0	382.2	4.50	0.93	4.88	YES	
L0001126	0	0.14740E-05	461238.0	3772834.1	382.2	4.50	0.93	4.88	YES	
L0001127	0	0.14740E-05	461240.0	3772834.1	382.2	4.50	0.93	4.88	YES	
L0001128	0	0.14740E-05	461242.0	3772834.2	382.2	4.50	0.93	4.88	YES	
L0001129	0	0.14740E-05	461244.0	3772834.2	382.2	4.50	0.93	4.88	YES	
L0001130	0	0.14740E-05	461246.0	3772834.3	382.2	4.50	0.93	4.88	YES	
L0001131	0	0.14740E-05	461248.0	3772834.3	382.2	4.50	0.93	4.88	YES	
L0001132	0	0.14740E-05	461250.0	3772834.4	382.1	4.50	0.93	4.88	YES	
L0001133	0	0.14740E-05	461252.0	3772834.4	382.1	4.50	0.93	4.88	YES	
L0001134	0	0.14740E-05	461254.0	3772834.5	382.1	4.50	0.93	4.88	YES	
L0001135	0	0.14740E-05	461256.0	3772834.6	382.1	4.50	0.93	4.88	YES	
L0001136	0	0.14740E-05	461258.0	3772834.6	382.1	4.50	0.93	4.88	YES	
L0001137	0	0.14740E-05	461259.9	3772834.7	382.1	4.50	0.93	4.88	YES	
L0001138	0	0.14740E-05	461261.9	3772834.7	382.1	4.50	0.93			

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4.88     YES
 L0001139         0   0.14740E-05  461263.9 3772834.8   382.1     4.50     0.93
4.88     YES
 L0001140         0   0.14740E-05  461265.9 3772834.8   382.1     4.50     0.93
4.88     YES
 L0001141         0   0.14740E-05  461267.9 3772834.9   382.1     4.50     0.93
4.88     YES
 L0001142         0   0.14740E-05  461269.9 3772835.0   382.1     4.50     0.93
4.88     YES
 L0001143         0   0.14740E-05  461271.9 3772835.0   382.1     4.50     0.93
4.88     YES
 L0001144         0   0.14740E-05  461273.9 3772835.1   382.1     4.50     0.93
4.88     YES
 L0001145         0   0.14740E-05  461275.9 3772835.1   382.1     4.50     0.93
4.88     YES
 L0001146         0   0.14740E-05  461277.9 3772835.2   382.1     4.50     0.93
4.88     YES
 L0001147         0   0.14740E-05  461279.9 3772835.2   382.1     4.50     0.93
4.88     YES
 L0001148         0   0.14740E-05  461281.9 3772835.3   382.1     4.50     0.93
4.88     YES
 L0001149         0   0.14740E-05  461283.9 3772835.4   382.1     4.50     0.93
4.88     YES
 L0001150         0   0.14740E-05  461285.9 3772835.4   382.1     4.50     0.93
4.88     YES
 L0001151         0   0.14740E-05  461287.9 3772835.5   382.1     4.50     0.93
4.88     YES
 L0001152         0   0.14740E-05  461289.9 3772835.5   382.1     4.50     0.93
4.88     YES
 L0001153         0   0.14740E-05  461291.9 3772835.6   382.1     4.50     0.93
4.88     YES
 L0001154         0   0.14740E-05  461293.9 3772835.6   382.1     4.50     0.93
4.88     YES
 L0001155         0   0.14740E-05  461295.9 3772835.7   382.1     4.50     0.93
4.88     YES
 L0001156         0   0.14740E-05  461297.9 3772835.8   382.1     4.50     0.93
4.88     YES
 L0001157         0   0.14740E-05  461299.9 3772835.8   382.1     4.50     0.93
4.88     YES
 L0001158         0   0.14740E-05  461301.9 3772835.9   382.1     4.50     0.93
4.88     YES
 L0001159         0   0.14740E-05  461303.9 3772835.9   382.0     4.50     0.93
4.88     YES
 L0001160         0   0.14740E-05  461305.9 3772836.0   382.0     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001161	0	0.14740E-05	461307.9	3772836.0	382.0	4.50	0.93	4.88	YES	
L0001162	0	0.14740E-05	461309.9	3772836.1	382.0	4.50	0.93	4.88	YES	
L0001163	0	0.14740E-05	461311.9	3772836.1	382.0	4.50	0.93	4.88	YES	
L0001164	0	0.14740E-05	461313.9	3772836.2	382.0	4.50	0.93	4.88	YES	
L0001165	0	0.14740E-05	461315.9	3772836.3	382.0	4.50	0.93	4.88	YES	
L0001166	0	0.14740E-05	461317.9	3772836.3	382.0	4.50	0.93	4.88	YES	
L0001167	0	0.14740E-05	461319.9	3772836.4	382.0	4.50	0.93	4.88	YES	
L0001168	0	0.14740E-05	461321.9	3772836.4	382.0	4.50	0.93	4.88	YES	
L0001169	0	0.14740E-05	461323.9	3772836.5	382.0	4.50	0.93	4.88	YES	
L0001170	0	0.14740E-05	461325.9	3772836.5	382.0	4.50	0.93	4.88	YES	
L0001171	0	0.14740E-05	461327.9	3772836.6	382.0	4.50	0.93	4.88	YES	
L0001172	0	0.14740E-05	461329.9	3772836.7	382.0	4.50	0.93	4.88	YES	
L0001173	0	0.14740E-05	461331.9	3772836.7	382.0	4.50	0.93	4.88	YES	
L0001174	0	0.14740E-05	461333.9	3772836.8	382.0	4.50	0.93	4.88	YES	
L0001175	0	0.14740E-05	461335.9	3772836.8	381.9	4.50	0.93	4.88	YES	
L0001176	0	0.14740E-05	461337.9	3772836.9	381.9	4.50	0.93			

L0001177	0	0.14740E-05	461339.9	3772836.9	381.9	4.50	0.93	4.88	YES
L0001178	0	0.14740E-05	461341.9	3772837.0	381.9	4.50	0.93	4.88	YES
L0001179	0	0.14740E-05	461343.9	3772837.1	381.9	4.50	0.93	4.88	YES
L0001180	0	0.14740E-05	461345.9	3772837.1	381.9	4.50	0.93	4.88	YES
L0001181	0	0.14740E-05	461347.9	3772837.2	381.9	4.50	0.93	4.88	YES
L0001182	0	0.14740E-05	461349.9	3772837.2	381.9	4.50	0.93	4.88	YES
L0001183	0	0.14740E-05	461351.9	3772837.3	381.9	4.50	0.93	4.88	YES
L0001184	0	0.14740E-05	461353.9	3772837.3	381.9	4.50	0.93	4.88	YES
L0001185	0	0.14740E-05	461355.9	3772837.4	381.9	4.50	0.93	4.88	YES
L0001186	0	0.14740E-05	461357.9	3772837.4	381.9	4.50	0.93	4.88	YES
L0001187	0	0.14740E-05	461359.9	3772837.5	381.9	4.50	0.93	4.88	YES
L0001188	0	0.14740E-05	461361.9	3772837.6	381.9	4.50	0.93	4.88	YES
L0001189	0	0.14740E-05	461363.9	3772837.6	381.9	4.50	0.93	4.88	YES
L0001190	0	0.14740E-05	461365.9	3772837.7	381.9	4.50	0.93	4.88	YES
L0001191	0	0.14740E-05	461367.9	3772837.7	381.9	4.50	0.93	4.88	YES
L0001192	0	0.14740E-05	461369.9	3772837.8	381.9	4.50	0.93	4.88	YES
L0001193	0	0.14740E-05	461371.9	3772837.8	381.9	4.50	0.93	4.88	YES
L0001194	0	0.14740E-05	461373.9	3772837.9	381.9	4.50	0.93	4.88	YES
L0001195	0	0.14740E-05	461375.9	3772838.0	381.9	4.50	0.93	4.88	YES
L0001196	0	0.14740E-05	461377.9	3772838.0	381.9	4.50	0.93	4.88	YES
L0001197	0	0.14740E-05	461379.9	3772838.1	381.9	4.50	0.93	4.88	YES
L0001198	0	0.14740E-05	461381.9	3772838.1	381.9	4.50	0.93	4.88	YES
L0001199	0	0.14740E-05	461383.9	3772838.2	381.9	4.50	0.93	4.88	YES
L0001200	0	0.14740E-05	461385.9	3772838.2	381.9	4.50	0.93		

4.88 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001201	0	0.14740E-05	461387.9	3772838.3	381.9	4.50	0.93	4.88	YES	
L0001202	0	0.14740E-05	461389.9	3772838.4	381.9	4.50	0.93	4.88	YES	
L0001203	0	0.14740E-05	461391.9	3772838.4	381.9	4.50	0.93	4.88	YES	
L0001204	0	0.14740E-05	461393.9	3772838.5	381.9	4.50	0.93	4.88	YES	
L0001205	0	0.14740E-05	461395.9	3772838.5	381.9	4.50	0.93	4.88	YES	
L0001206	0	0.14740E-05	461397.9	3772838.6	381.9	4.50	0.93	4.88	YES	
L0001207	0	0.14740E-05	461399.9	3772838.6	381.9	4.50	0.93	4.88	YES	
L0001208	0	0.14740E-05	461401.9	3772838.7	381.9	4.50	0.93	4.88	YES	
L0001209	0	0.14740E-05	461403.9	3772838.7	381.9	4.50	0.93	4.88	YES	
L0001210	0	0.14740E-05	461405.9	3772838.8	381.9	4.50	0.93	4.88	YES	
L0001211	0	0.14740E-05	461407.9	3772838.9	381.9	4.50	0.93	4.88	YES	
L0001212	0	0.14740E-05	461409.9	3772838.9	381.8	4.50	0.93	4.88	YES	
L0001213	0	0.14740E-05	461411.9	3772839.0	381.8	4.50	0.93	4.88	YES	
L0001214	0	0.14740E-05	461413.9	3772839.0	381.8	4.50	0.93			

L0001215	0	0.14740E-05	461415.9	3772839.1	381.8	4.50	0.93	4.88	YES
L0001216	0	0.14740E-05	461417.9	3772839.1	381.8	4.50	0.93	4.88	YES
L0001217	0	0.14740E-05	461419.9	3772839.2	381.8	4.50	0.93	4.88	YES
L0001218	0	0.14740E-05	461421.9	3772839.3	381.7	4.50	0.93	4.88	YES
L0001219	0	0.14740E-05	461423.9	3772839.3	381.7	4.50	0.93	4.88	YES
L0001220	0	0.14740E-05	461425.9	3772839.4	381.7	4.50	0.93	4.88	YES
L0001221	0	0.14740E-05	461427.9	3772839.4	381.7	4.50	0.93	4.88	YES
L0001222	0	0.14740E-05	461429.9	3772839.5	381.6	4.50	0.93	4.88	YES
L0001223	0	0.14740E-05	461431.9	3772839.5	381.6	4.50	0.93	4.88	YES
L0001224	0	0.14740E-05	461433.9	3772839.6	381.6	4.50	0.93	4.88	YES
L0001225	0	0.14740E-05	461435.9	3772839.7	381.5	4.50	0.93	4.88	YES
L0001226	0	0.14740E-05	461437.9	3772839.7	381.5	4.50	0.93	4.88	YES
L0001227	0	0.14740E-05	461439.9	3772839.8	381.5	4.50	0.93	4.88	YES
L0001228	0	0.14740E-05	461441.9	3772839.8	381.4	4.50	0.93	4.88	YES
L0001229	0	0.14740E-05	461443.9	3772839.9	381.4	4.50	0.93	4.88	YES
L0001230	0	0.14740E-05	461445.9	3772839.9	381.4	4.50	0.93	4.88	YES
L0001231	0	0.14740E-05	461447.9	3772840.0	381.4	4.50	0.93	4.88	YES
L0001232	0	0.14740E-05	461449.9	3772840.0	381.3	4.50	0.93	4.88	YES
L0001233	0	0.14740E-05	461451.9	3772840.1	381.3	4.50	0.93	4.88	YES
L0001234	0	0.14740E-05	461453.9	3772840.2	381.3	4.50	0.93	4.88	YES
L0001235	0	0.14740E-05	461455.9	3772840.2	381.3	4.50	0.93	4.88	YES
L0001236	0	0.14740E-05	461457.9	3772840.3	381.3	4.50	0.93	4.88	YES
L0001237	0	0.14740E-05	461459.9	3772840.3	381.3	4.50	0.93	4.88	YES
L0001238	0	0.14740E-05	461461.9	3772840.4	381.3	4.50	0.93		

```
4.88     YES
 L0001239         0   0.14740E-05  461463.9 3772840.4   381.3     4.50     0.93
4.88     YES
 L0001240         0   0.14740E-05  461465.9 3772840.5   381.3     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0001241         0   0.14740E-05  461467.9 3772840.6   381.3     4.50     0.93
4.88     YES
 L0001242         0   0.14740E-05  461469.9 3772840.6   381.3     4.50     0.93
4.88     YES
 L0001243         0   0.14740E-05  461471.9 3772840.7   381.3     4.50     0.93
4.88     YES
 L0001244         0   0.14740E-05  461473.9 3772840.7   381.3     4.50     0.93
4.88     YES
 L0001245         0   0.14740E-05  461475.9 3772840.8   381.3     4.50     0.93
4.88     YES
 L0001246         0   0.14740E-05  461477.9 3772840.8   381.3     4.50     0.93
4.88     YES
 L0001247         0   0.14740E-05  461479.9 3772840.9   381.3     4.50     0.93
4.88     YES
 L0001248         0   0.14740E-05  461481.9 3772841.0   381.3     4.50     0.93
4.88     YES
 L0001249         0   0.14740E-05  461483.9 3772841.0   381.3     4.50     0.93
4.88     YES
 L0001250         0   0.14740E-05  461485.9 3772841.1   381.3     4.50     0.93
4.88     YES
 L0001251         0   0.14740E-05  461487.9 3772841.1   381.4     4.50     0.93
4.88     YES
 L0001252         0   0.14740E-05  461489.9 3772841.2   381.4     4.50     0.93
```

L0001253	0	0.14740E-05	461491.9	3772841.2	381.4	4.50	0.93	4.88	YES
L0001254	0	0.14740E-05	461493.9	3772841.3	381.4	4.50	0.93	4.88	YES
L0001255	0	0.14740E-05	461495.9	3772841.3	381.4	4.50	0.93	4.88	YES
L0001256	0	0.14740E-05	461497.9	3772841.4	381.4	4.50	0.93	4.88	YES
L0001257	0	0.14740E-05	461499.9	3772841.5	381.4	4.50	0.93	4.88	YES
L0001258	0	0.14740E-05	461501.9	3772841.5	381.4	4.50	0.93	4.88	YES
L0001259	0	0.14740E-05	461503.9	3772841.6	381.4	4.50	0.93	4.88	YES
L0001260	0	0.14740E-05	461505.9	3772841.6	381.4	4.50	0.93	4.88	YES
L0001261	0	0.14740E-05	461507.8	3772841.7	381.4	4.50	0.93	4.88	YES
L0001262	0	0.14740E-05	461509.8	3772841.7	381.4	4.50	0.93	4.88	YES
L0001263	0	0.14740E-05	461511.8	3772841.8	381.4	4.50	0.93	4.88	YES
L0001264	0	0.14740E-05	461513.8	3772841.9	381.4	4.50	0.93	4.88	YES
L0001265	0	0.14740E-05	461515.8	3772841.9	381.3	4.50	0.93	4.88	YES
L0001266	0	0.14740E-05	461517.8	3772842.0	381.3	4.50	0.93	4.88	YES
L0001267	0	0.14740E-05	461519.8	3772842.0	381.3	4.50	0.93	4.88	YES
L0001268	0	0.14740E-05	461521.8	3772842.1	381.3	4.50	0.93	4.88	YES
L0001269	0	0.14740E-05	461523.8	3772842.1	381.3	4.50	0.93	4.88	YES
L0001270	0	0.14740E-05	461525.8	3772842.2	381.3	4.50	0.93	4.88	YES
L0001271	0	0.14740E-05	461527.8	3772842.3	381.3	4.50	0.93	4.88	YES
L0001272	0	0.14740E-05	461529.8	3772842.3	381.3	4.50	0.93	4.88	YES
L0001273	0	0.14740E-05	461531.8	3772842.4	381.3	4.50	0.93	4.88	YES
L0001274	0	0.14740E-05	461533.8	3772842.4	381.3	4.50	0.93	4.88	YES
L0001275	0	0.14740E-05	461535.8	3772842.5	381.3	4.50	0.93	4.88	YES
L0001276	0	0.14740E-05	461537.8	3772842.5	381.3	4.50	0.93		

4.88 YES
L0001277 0 0.14740E-05 461539.8 3772842.6 381.3 4.50 0.93
4.88 YES
L0001278 0 0.14740E-05 461541.8 3772842.6 381.3 4.50 0.93
4.88 YES
L0001279 0 0.14740E-05 461543.8 3772842.7 381.3 4.50 0.93
4.88 YES
L0001280 0 0.14740E-05 461545.8 3772842.8 381.3 4.50 0.93
4.88 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0001291	0	0.14740E-05	461567.8	3772843.4	381.2	4.50	0.93	4.88	YES
L0001292	0	0.14740E-05	461569.8	3772843.4	381.2	4.50	0.93	4.88	YES
L0001293	0	0.14740E-05	461571.8	3772843.5	381.2	4.50	0.93	4.88	YES
L0001294	0	0.14740E-05	461573.8	3772843.6	381.2	4.50	0.93	4.88	YES
L0001295	0	0.14740E-05	461575.8	3772843.6	381.2	4.50	0.93	4.88	YES
L0001296	0	0.14740E-05	461577.8	3772843.7	381.2	4.50	0.93	4.88	YES
L0001297	0	0.14740E-05	461579.8	3772843.7	381.2	4.50	0.93	4.88	YES
L0001298	0	0.14740E-05	461581.8	3772843.8	381.2	4.50	0.93	4.88	YES
L0001299	0	0.14740E-05	461583.8	3772843.8	381.2	4.50	0.93	4.88	YES
L0001300	0	0.14740E-05	461585.8	3772843.9	381.2	4.50	0.93	4.88	YES
L0001301	0	0.14740E-05	461587.8	3772844.0	381.2	4.50	0.93	4.88	YES
L0001302	0	0.14740E-05	461589.8	3772844.0	381.2	4.50	0.93	4.88	YES
L0001303	0	0.14740E-05	461591.8	3772844.1	381.2	4.50	0.93	4.88	YES
L0001304	0	0.14740E-05	461593.8	3772844.1	381.2	4.50	0.93	4.88	YES
L0001305	0	0.14740E-05	461595.8	3772844.2	381.2	4.50	0.93	4.88	YES
L0001306	0	0.14740E-05	461597.8	3772844.2	381.2	4.50	0.93	4.88	YES
L0001307	0	0.14740E-05	461599.8	3772844.3	381.2	4.50	0.93	4.88	YES
L0001308	0	0.14740E-05	461601.8	3772844.3	381.2	4.50	0.93	4.88	YES
L0001309	0	0.14740E-05	461603.8	3772844.4	381.2	4.50	0.93	4.88	YES
L0001310	0	0.14740E-05	461605.8	3772844.5	381.2	4.50	0.93	4.88	YES
L0001311	0	0.14740E-05	461607.8	3772844.5	381.2	4.50	0.93	4.88	YES
L0001312	0	0.14740E-05	461609.8	3772844.6	381.2	4.50	0.93	4.88	YES
L0001313	0	0.14740E-05	461611.8	3772844.6	381.2	4.50	0.93	4.88	YES
L0001314	0	0.14740E-05	461613.8	3772844.7	381.2	4.50	0.93		

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4.88     YES
 L0001315         0   0.14740E-05  461615.8 3772844.7   381.2     4.50     0.93
4.88     YES
 L0001316         0   0.14740E-05  461617.8 3772844.8   381.2     4.50     0.93
4.88     YES
 L0001317         0   0.14740E-05  461619.8 3772844.9   381.2     4.50     0.93
4.88     YES
 L0001318         0   0.14740E-05  461621.8 3772844.9   381.2     4.50     0.93
4.88     YES
 L0001319         0   0.14740E-05  461623.8 3772845.0   381.2     4.50     0.93
4.88     YES
 L0001320         0   0.14740E-05  461625.8 3772845.0   381.2     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0001321         0   0.14740E-05  461627.8 3772845.1   381.2     4.50     0.93
4.88     YES
 L0001322         0   0.14740E-05  461629.8 3772845.1   381.2     4.50     0.93
4.88     YES
 L0001323         0   0.14740E-05  461631.8 3772845.2   381.2     4.50     0.93
4.88     YES
 L0001324         0   0.14740E-05  461633.8 3772845.3   381.1     4.50     0.93
4.88     YES
 L0001325         0   0.14740E-05  461635.8 3772845.3   381.1     4.50     0.93
4.88     YES
 L0001326         0   0.14740E-05  461637.8 3772845.4   381.1     4.50     0.93
4.88     YES
 L0001327         0   0.14740E-05  461639.8 3772845.4   381.1     4.50     0.93
4.88     YES
 L0001328         0   0.14740E-05  461641.8 3772845.5   381.1     4.50     0.93
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L0001329	0	0.14740E-05	461643.8	3772845.5	381.1	4.50	0.93	4.88	YES
L0001330	0	0.14740E-05	461645.8	3772845.6	381.1	4.50	0.93	4.88	YES
L0001331	0	0.14740E-05	461647.8	3772845.6	381.1	4.50	0.93	4.88	YES
L0001332	0	0.14740E-05	461649.8	3772845.7	381.1	4.50	0.93	4.88	YES
L0001333	0	0.14740E-05	461651.8	3772845.8	381.1	4.50	0.93	4.88	YES
L0001334	0	0.14740E-05	461653.8	3772845.8	381.1	4.50	0.93	4.88	YES
L0001335	0	0.14740E-05	461655.8	3772845.9	381.1	4.50	0.93	4.88	YES
L0001336	0	0.14740E-05	461657.8	3772845.9	381.1	4.50	0.93	4.88	YES
L0001337	0	0.14740E-05	461659.8	3772846.0	381.1	4.50	0.93	4.88	YES
L0001338	0	0.14740E-05	461661.8	3772846.0	381.1	4.50	0.93	4.88	YES
L0001339	0	0.14740E-05	461663.8	3772846.1	381.1	4.50	0.93	4.88	YES
L0001340	0	0.14740E-05	461665.8	3772846.2	381.1	4.50	0.93	4.88	YES
L0001341	0	0.14740E-05	461667.8	3772846.2	381.1	4.50	0.93	4.88	YES
L0001342	0	0.14740E-05	461669.8	3772846.3	381.1	4.50	0.93	4.88	YES
L0001343	0	0.14740E-05	461671.8	3772846.3	381.1	4.50	0.93	4.88	YES
L0001344	0	0.14740E-05	461673.8	3772846.4	381.1	4.50	0.93	4.88	YES
L0001345	0	0.14740E-05	461675.8	3772846.4	381.1	4.50	0.93	4.88	YES
L0001346	0	0.14740E-05	461677.8	3772846.5	381.1	4.50	0.93	4.88	YES
L0001347	0	0.14740E-05	461679.8	3772846.6	381.1	4.50	0.93	4.88	YES
L0001348	0	0.14740E-05	461681.8	3772846.6	381.1	4.50	0.93	4.88	YES
L0001349	0	0.14740E-05	461683.8	3772846.7	381.1	4.50	0.93	4.88	YES
L0001350	0	0.14740E-05	461685.8	3772846.7	381.1	4.50	0.93	4.88	YES
L0001351	0	0.14740E-05	461687.8	3772846.8	381.1	4.50	0.93	4.88	YES
L0001352	0	0.14740E-05	461689.8	3772846.8	381.1	4.50	0.93		

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4.88     YES
 L0001353         0   0.14740E-05  461691.8 3772846.9   381.1     4.50     0.93
4.88     YES
 L0001354         0   0.14740E-05  461693.8 3772846.9   381.1     4.50     0.93
4.88     YES
 L0001355         0   0.14740E-05  461695.8 3772847.0   381.1     4.50     0.93
4.88     YES
 L0001356         0   0.14740E-05  461697.8 3772847.1   381.1     4.50     0.93
4.88     YES
 L0001357         0   0.14740E-05  461699.8 3772847.1   381.1     4.50     0.93
4.88     YES
 L0001358         0   0.14740E-05  461701.8 3772847.2   381.1     4.50     0.93
4.88     YES
 L0001359         0   0.14740E-05  461703.8 3772847.2   381.1     4.50     0.93
4.88     YES
 L0001360         0   0.14740E-05  461705.8 3772847.3   381.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0001361         0   0.14740E-05  461707.8 3772847.3   381.1     4.50     0.93
4.88     YES
 L0001362         0   0.14740E-05  461709.8 3772847.4   381.1     4.50     0.93
4.88     YES
 L0001363         0   0.14740E-05  461711.8 3772847.5   381.1     4.50     0.93
4.88     YES
 L0001364         0   0.14740E-05  461713.8 3772847.5   381.1     4.50     0.93
4.88     YES
 L0001365         0   0.14740E-05  461715.8 3772847.6   381.1     4.50     0.93
4.88     YES
 L0001366         0   0.14740E-05  461717.8 3772847.6   381.1     4.50     0.93
```

L0001367	0	0.14740E-05	461719.8	3772847.7	381.1	4.50	0.93	4.88	YES
L0001368	0	0.14740E-05	461721.8	3772847.7	381.1	4.50	0.93	4.88	YES
L0001369	0	0.14740E-05	461723.8	3772847.8	381.1	4.50	0.93	4.88	YES
L0001370	0	0.14740E-05	461725.8	3772847.9	381.1	4.50	0.93	4.88	YES
L0001371	0	0.14740E-05	461727.8	3772847.9	381.1	4.50	0.93	4.88	YES
L0001372	0	0.14740E-05	461729.8	3772848.0	381.1	4.50	0.93	4.88	YES
L0001373	0	0.14740E-05	461731.8	3772848.0	381.1	4.50	0.93	4.88	YES
L0001374	0	0.14740E-05	461733.8	3772848.1	381.1	4.50	0.93	4.88	YES
L0001375	0	0.14740E-05	461735.8	3772848.1	381.1	4.50	0.93	4.88	YES
L0001376	0	0.14740E-05	461737.8	3772848.2	381.1	4.50	0.93	4.88	YES
L0001377	0	0.14740E-05	461739.8	3772848.2	381.1	4.50	0.93	4.88	YES
L0001378	0	0.14740E-05	461741.8	3772848.3	381.1	4.50	0.93	4.88	YES
L0001379	0	0.14740E-05	461743.8	3772848.4	381.1	4.50	0.93	4.88	YES
L0001380	0	0.14740E-05	461745.8	3772848.4	381.1	4.50	0.93	4.88	YES
L0001381	0	0.14740E-05	461747.8	3772848.5	381.1	4.50	0.93	4.88	YES
L0001382	0	0.14740E-05	461749.8	3772848.5	381.1	4.50	0.93	4.88	YES
L0001383	0	0.14740E-05	461751.8	3772848.6	381.1	4.50	0.93	4.88	YES
L0001384	0	0.14740E-05	461753.8	3772848.6	381.1	4.50	0.93	4.88	YES
L0001385	0	0.14740E-05	461755.8	3772848.7	381.1	4.50	0.93	4.88	YES
L0001386	0	0.14740E-05	461757.8	3772848.8	381.1	4.50	0.93	4.88	YES
L0001387	0	0.14740E-05	461759.7	3772848.8	381.1	4.50	0.93	4.88	YES
L0001388	0	0.14740E-05	461761.7	3772848.9	381.1	4.50	0.93	4.88	YES
L0001389	0	0.14740E-05	461763.7	3772848.9	381.1	4.50	0.93	4.88	YES
L0001390	0	0.14740E-05	461765.7	3772849.0	381.1	4.50	0.93		

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4.88     YES
 L0001391         0   0.14740E-05  461767.7 3772849.0   381.1     4.50     0.93
4.88     YES
 L0001392         0   0.14740E-05  461769.7 3772849.1   381.1     4.50     0.93
4.88     YES
 L0001393         0   0.14740E-05  461771.7 3772849.2   381.1     4.50     0.93
4.88     YES
 L0001394         0   0.14740E-05  461773.7 3772849.2   381.1     4.50     0.93
4.88     YES
 L0001395         0   0.14740E-05  461775.7 3772849.3   381.1     4.50     0.93
4.88     YES
 L0001396         0   0.14740E-05  461777.7 3772849.3   381.1     4.50     0.93
4.88     YES
 L0001397         0   0.14740E-05  461779.7 3772849.4   381.1     4.50     0.93
4.88     YES
 L0001398         0   0.14740E-05  461781.7 3772849.4   381.1     4.50     0.93
4.88     YES
 L0001399         0   0.14740E-05  461783.7 3772849.5   381.1     4.50     0.93
4.88     YES
 L0001400         0   0.14740E-05  461785.7 3772849.6   381.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0001401         0   0.14740E-05  461787.7 3772849.6   381.1     4.50     0.93
4.88     YES
 L0001402         0   0.14740E-05  461789.7 3772849.7   381.1     4.50     0.93
4.88     YES
 L0001403         0   0.14740E-05  461791.7 3772849.7   381.1     4.50     0.93
4.88     YES
 L0001404         0   0.14740E-05  461793.7 3772849.8   381.1     4.50     0.93
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L0001405	0	0.14740E-05	461795.7	3772849.8	381.1	4.50	0.93	4.88	YES
L0001406	0	0.14740E-05	461797.7	3772849.9	381.1	4.50	0.93	4.88	YES
L0001407	0	0.14740E-05	461799.7	3772849.9	381.1	4.50	0.93	4.88	YES
L0001408	0	0.14740E-05	461801.7	3772850.0	381.1	4.50	0.93	4.88	YES
L0001409	0	0.14740E-05	461803.7	3772850.1	381.1	4.50	0.93	4.88	YES
L0001410	0	0.14740E-05	461805.7	3772850.1	381.1	4.50	0.93	4.88	YES
L0001411	0	0.14740E-05	461807.7	3772850.2	381.1	4.50	0.93	4.88	YES
L0001412	0	0.14740E-05	461809.7	3772850.2	381.1	4.50	0.93	4.88	YES
L0001413	0	0.14740E-05	461811.7	3772850.3	381.1	4.50	0.93	4.88	YES
L0001414	0	0.14740E-05	461813.7	3772850.3	381.1	4.50	0.93	4.88	YES
L0001415	0	0.14740E-05	461815.7	3772850.4	381.1	4.50	0.93	4.88	YES
L0001416	0	0.14740E-05	461817.7	3772850.5	381.1	4.50	0.93	4.88	YES
L0001417	0	0.14740E-05	461819.7	3772850.5	381.1	4.50	0.93	4.88	YES
L0001418	0	0.14740E-05	461821.7	3772850.6	381.1	4.50	0.93	4.88	YES
L0001419	0	0.14740E-05	461823.7	3772850.6	381.1	4.50	0.93	4.88	YES
L0001420	0	0.14740E-05	461825.7	3772850.7	381.1	4.50	0.93	4.88	YES
L0001421	0	0.14740E-05	461827.7	3772850.7	381.1	4.50	0.93	4.88	YES
L0001422	0	0.14740E-05	461829.7	3772850.8	381.1	4.50	0.93	4.88	YES
L0001423	0	0.14740E-05	461831.7	3772850.9	381.1	4.50	0.93	4.88	YES
L0001424	0	0.14740E-05	461833.7	3772850.9	381.1	4.50	0.93	4.88	YES
L0001425	0	0.14740E-05	461835.7	3772851.0	381.1	4.50	0.93	4.88	YES
L0001426	0	0.14740E-05	461837.7	3772851.0	381.1	4.50	0.93	4.88	YES
L0001427	0	0.14740E-05	461839.7	3772851.1	381.1	4.50	0.93	4.88	YES
L0001428	0	0.14740E-05	461841.7	3772851.1	381.1	4.50	0.93		

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4.88     YES
 L0001429         0   0.14740E-05  461843.7 3772851.2   381.1     4.50     0.93
4.88     YES
 L0001430         0   0.14740E-05  461845.7 3772851.2   381.1     4.50     0.93
4.88     YES
 L0001431         0   0.14740E-05  461847.7 3772851.3   381.1     4.50     0.93
4.88     YES
 L0001432         0   0.14740E-05  461849.7 3772851.4   381.1     4.50     0.93
4.88     YES
 L0001433         0   0.14740E-05  461851.7 3772851.4   381.1     4.50     0.93
4.88     YES
 L0001434         0   0.14740E-05  461853.7 3772851.5   381.1     4.50     0.93
4.88     YES
 L0001435         0   0.14740E-05  461855.7 3772851.5   381.1     4.50     0.93
4.88     YES
 L0001436         0   0.14740E-05  461857.7 3772851.6   381.1     4.50     0.93
4.88     YES
 L0001437         0   0.14740E-05  461859.7 3772851.6   381.1     4.50     0.93
4.88     YES
 L0001438         0   0.14740E-05  461861.7 3772851.7   381.1     4.50     0.93
4.88     YES
 L0001439         0   0.14740E-05  461863.7 3772851.8   381.1     4.50     0.93
4.88     YES
 L0001440         0   0.14740E-05  461865.7 3772851.8   381.1     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0001441         0   0.14740E-05  461867.7 3772851.9   381.1     4.50     0.93
4.88     YES
 L0001442         0   0.14740E-05  461869.7 3772851.9   381.1     4.50     0.93
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4.88     YES
 L0001443         0   0.14740E-05  461871.7 3772852.0   381.1     4.50     0.93
4.88     YES
 L0001444         0   0.14740E-05  461873.7 3772852.0   381.2     4.50     0.93
4.88     YES
 L0001445         0   0.14740E-05  461875.7 3772852.1   381.2     4.50     0.93
4.88     YES
 L0001446         0   0.14740E-05  461877.7 3772852.2   381.2     4.50     0.93
4.88     YES
 L0001447         0   0.14740E-05  461879.7 3772852.2   381.2     4.50     0.93
4.88     YES
 L0001448         0   0.14740E-05  461881.7 3772852.3   381.2     4.50     0.93
4.88     YES
 L0001449         0   0.14740E-05  461883.7 3772852.3   381.2     4.50     0.93
4.88     YES
 L0001450         0   0.14740E-05  461885.7 3772852.4   381.2     4.50     0.93
4.88     YES
 L0001451         0   0.14740E-05  461887.7 3772852.4   381.2     4.50     0.93
4.88     YES
 L0001452         0   0.14740E-05  461889.7 3772852.5   381.2     4.50     0.93
4.88     YES
 L0001453         0   0.14740E-05  461891.7 3772852.5   381.2     4.50     0.93
4.88     YES
 L0001454         0   0.14740E-05  461893.7 3772852.6   381.2     4.50     0.93
4.88     YES
 L0001455         0   0.14740E-05  461895.7 3772852.7   381.2     4.50     0.93
4.88     YES
 L0001456         0   0.14740E-05  461897.7 3772852.7   381.2     4.50     0.93
4.88     YES
 L0001457         0   0.14740E-05  461899.7 3772852.8   381.2     4.50     0.93
4.88     YES
 L0001458         0   0.14740E-05  461901.7 3772852.8   381.2     4.50     0.93
4.88     YES
 L0001459         0   0.14740E-05  461903.7 3772852.9   381.2     4.50     0.93
4.88     YES
 L0001460         0   0.14740E-05  461905.7 3772852.9   381.2     4.50     0.93
4.88     YES
 L0001461         0   0.14740E-05  461907.7 3772853.0   381.2     4.50     0.93
4.88     YES
 L0001462         0   0.14740E-05  461909.7 3772853.1   381.2     4.50     0.93
4.88     YES
 L0001463         0   0.14740E-05  461911.7 3772853.1   381.2     4.50     0.93
4.88     YES
 L0001464         0   0.14740E-05  461913.7 3772853.2   381.2     4.50     0.93
4.88     YES
 L0001465         0   0.14740E-05  461915.7 3772853.2   381.2     4.50     0.93
4.88     YES
 L0001466         0   0.14740E-05  461917.7 3772853.3   381.2     4.50     0.93
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4.88     YES
 L0001467         0   0.14740E-05  461919.7 3772853.3   381.2     4.50     0.93
4.88     YES
 L0001468         0   0.14740E-05  461921.7 3772853.4   381.2     4.50     0.93
4.88     YES
 L0001469         0   0.14740E-05  461923.7 3772853.5   381.2     4.50     0.93
4.88     YES
 L0001470         0   0.14740E-05  461925.7 3772853.5   381.2     4.50     0.93
4.88     YES
 L0001471         0   0.14740E-05  461927.7 3772853.6   381.2     4.50     0.93
4.88     YES
 L0001472         0   0.14740E-05  461929.7 3772853.6   381.2     4.50     0.93
4.88     YES
 L0001473         0   0.14740E-05  461931.7 3772853.7   381.2     4.50     0.93
4.88     YES
 L0001474         0   0.14740E-05  461933.7 3772853.7   381.2     4.50     0.93
4.88     YES
 L0001475         0   0.14740E-05  461935.7 3772853.8   381.2     4.50     0.93
4.88     YES
 L0001476         0   0.14740E-05  461937.7 3772853.8   381.2     4.50     0.93
4.88     YES
 L0001477         0   0.14740E-05  461939.7 3772853.9   381.2     4.50     0.93
4.88     YES
 L0001478         0   0.14740E-05  461941.7 3772854.0   381.2     4.50     0.93
4.88     YES
 L0001479         0   0.14740E-05  461943.7 3772854.0   381.2     4.50     0.93
4.88     YES
 L0001480         0   0.14740E-05  461945.7 3772854.1   381.2     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0001481	0	0.14740E-05	461947.7	3772854.1	381.2	4.50	0.93	4.88	YES
L0001482	0	0.14740E-05	461949.7	3772854.2	381.2	4.50	0.93	4.88	YES
L0001483	0	0.14740E-05	461951.7	3772854.2	381.2	4.50	0.93	4.88	YES
L0001484	0	0.14740E-05	461953.7	3772854.3	381.2	4.50	0.93	4.88	YES
L0001485	0	0.14740E-05	461955.7	3772854.4	381.2	4.50	0.93	4.88	YES
L0001486	0	0.14740E-05	461957.7	3772854.4	381.2	4.50	0.93	4.88	YES
L0001487	0	0.14740E-05	461959.7	3772854.5	381.2	4.50	0.93	4.88	YES
L0001488	0	0.14740E-05	461961.7	3772854.5	381.2	4.50	0.93	4.88	YES
L0001489	0	0.14740E-05	461963.7	3772854.6	381.2	4.50	0.93	4.88	YES
L0001490	0	0.14740E-05	461965.7	3772854.6	381.2	4.50	0.93	4.88	YES
L0001491	0	0.14740E-05	461967.7	3772854.7	381.2	4.50	0.93	4.88	YES
L0001492	0	0.14740E-05	461969.7	3772854.8	381.2	4.50	0.93	4.88	YES
L0001493	0	0.14740E-05	461971.7	3772854.8	381.2	4.50	0.93	4.88	YES
L0001494	0	0.14740E-05	461973.7	3772854.9	381.2	4.50	0.93	4.88	YES
L0001495	0	0.14740E-05	461975.7	3772854.9	381.2	4.50	0.93	4.88	YES
L0001496	0	0.14740E-05	461977.7	3772855.0	381.2	4.50	0.93	4.88	YES
L0001497	0	0.14740E-05	461979.7	3772855.0	381.2	4.50	0.93	4.88	YES
L0001498	0	0.14740E-05	461981.7	3772855.1	381.2	4.50	0.93	4.88	YES
L0001499	0	0.14740E-05	461983.7	3772855.1	381.1	4.50	0.93	4.88	YES
L0001500	0	0.14740E-05	461985.7	3772855.2	381.1	4.50	0.93	4.88	YES
L0001501	0	0.14740E-05	461987.7	3772855.3	381.1	4.50	0.93	4.88	YES
L0001502	0	0.14740E-05	461989.7	3772855.3	381.1	4.50	0.93	4.88	YES
L0001503	0	0.14740E-05	461991.7	3772855.4	381.1	4.50	0.93	4.88	YES
L0001504	0	0.14740E-05	461993.7	3772855.4	381.1	4.50	0.93		

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4.88     YES
 L0001505         0   0.14740E-05  461995.7 3772855.5   381.0     4.50     0.93
4.88     YES
 L0001506         0   0.14740E-05  461997.7 3772855.5   381.0     4.50     0.93
4.88     YES
 L0001507         0   0.14740E-05  461999.7 3772855.6   381.0     4.50     0.93
4.88     YES
 L0001508         0   0.14740E-05  462001.7 3772855.7   381.0     4.50     0.93
4.88     YES
 L0001509         0   0.14740E-05  462003.7 3772855.7   380.9     4.50     0.93
4.88     YES
 L0001510         0   0.14740E-05  462005.7 3772855.8   380.9     4.50     0.93
4.88     YES
 L0001511         0   0.14740E-05  462007.6 3772855.8   380.9     4.50     0.93
4.88     YES
 L0001512         0   0.14740E-05  462009.6 3772855.9   380.9     4.50     0.93
4.88     YES
 L0001513         0   0.14740E-05  462011.6 3772855.9   380.9     4.50     0.93
4.88     YES
 L0001514         0   0.14740E-05  462013.6 3772856.0   380.8     4.50     0.93
4.88     YES
 L0001515         0   0.14740E-05  462015.6 3772856.1   380.8     4.50     0.93
4.88     YES
 L0001516         0   0.14740E-05  462017.6 3772856.1   380.8     4.50     0.93
4.88     YES
 L0001517         0   0.14740E-05  462019.6 3772856.2   380.8     4.50     0.93
4.88     YES
 L0001518         0   0.14740E-05  462021.6 3772856.2   380.8     4.50     0.93
4.88     YES
 L0001519         0   0.14740E-05  462023.6 3772856.3   380.7     4.50     0.93
4.88     YES
 L0001520         0   0.14740E-05  462025.6 3772856.3   380.7     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0001521	0	0.14740E-05	462027.6	3772856.4	380.7	4.50	0.93	4.88 YES
L0001522	0	0.14740E-05	462029.6	3772856.5	380.7	4.50	0.93	4.88 YES
L0001523	0	0.14740E-05	462031.6	3772856.5	380.7	4.50	0.93	4.88 YES
L0001524	0	0.14740E-05	462033.6	3772856.6	380.6	4.50	0.93	4.88 YES
L0001525	0	0.14740E-05	462035.6	3772856.6	380.6	4.50	0.93	4.88 YES
L0001526	0	0.14740E-05	462037.6	3772856.7	380.6	4.50	0.93	4.88 YES
L0001527	0	0.14740E-05	462039.6	3772856.7	380.6	4.50	0.93	4.88 YES
L0001528	0	0.14740E-05	462041.6	3772856.8	380.6	4.50	0.93	4.88 YES
L0001529	0	0.14740E-05	462043.6	3772856.8	380.6	4.50	0.93	4.88 YES
L0001530	0	0.14740E-05	462045.6	3772856.9	380.6	4.50	0.93	4.88 YES
L0001531	0	0.14740E-05	462047.6	3772857.0	380.5	4.50	0.93	4.88 YES
L0001532	0	0.14740E-05	462049.6	3772857.0	380.5	4.50	0.93	4.88 YES
L0001533	0	0.14740E-05	462051.6	3772857.1	380.5	4.50	0.93	4.88 YES
L0001534	0	0.14740E-05	462053.6	3772857.1	380.5	4.50	0.93	4.88 YES
L0001535	0	0.14740E-05	462055.6	3772857.2	380.5	4.50	0.93	4.88 YES
L0001536	0	0.14740E-05	462057.6	3772857.2	380.5	4.50	0.93	4.88 YES
L0001537	0	0.14740E-05	462059.6	3772857.3	380.5	4.50	0.93	4.88 YES
L0001538	0	0.14740E-05	462061.6	3772857.4	380.5	4.50	0.93	4.88 YES
L0001539	0	0.14740E-05	462063.6	3772857.4	380.5	4.50	0.93	4.88 YES
L0001540	0	0.14740E-05	462065.6	3772857.5	380.5	4.50	0.93	4.88 YES
L0001541	0	0.14740E-05	462067.6	3772857.5	380.5	4.50	0.93	4.88 YES
L0001542	0	0.14740E-05	462069.6	3772857.6	380.4	4.50	0.93	

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4.88     YES
 L0001543         0   0.14740E-05  462071.6 3772857.6   380.4     4.50     0.93
4.88     YES
 L0001544         0   0.14740E-05  462073.6 3772857.7   380.4     4.50     0.93
4.88     YES
 L0001545         0   0.14740E-05  462075.6 3772857.8   380.4     4.50     0.93
4.88     YES
 L0001546         0   0.14740E-05  462077.6 3772857.8   380.4     4.50     0.93
4.88     YES
 L0001547         0   0.14740E-05  462079.6 3772857.9   380.4     4.50     0.93
4.88     YES
 L0001548         0   0.14740E-05  462081.6 3772857.9   380.4     4.50     0.93
4.88     YES
 L0001549         0   0.14740E-05  462083.6 3772858.0   380.4     4.50     0.93
4.88     YES
 L0001550         0   0.14740E-05  462085.6 3772858.0   380.4     4.50     0.93
4.88     YES
 L0001551         0   0.14740E-05  462087.6 3772858.1   380.4     4.50     0.93
4.88     YES
 L0001552         0   0.14740E-05  462089.6 3772858.1   380.4     4.50     0.93
4.88     YES
 L0001553         0   0.14740E-05  462091.6 3772858.2   380.4     4.50     0.93
4.88     YES
 L0001554         0   0.14740E-05  462093.6 3772858.3   380.4     4.50     0.93
4.88     YES
 L0001555         0   0.14740E-05  462095.6 3772858.3   380.4     4.50     0.93
4.88     YES
 L0001556         0   0.14740E-05  462097.6 3772858.4   380.4     4.50     0.93
4.88     YES
 L0001557         0   0.14740E-05  462099.6 3772858.4   380.4     4.50     0.93
4.88     YES
 L0001558         0   0.14740E-05  462101.6 3772858.5   380.4     4.50     0.93
4.88     YES
 L0001559         0   0.14740E-05  462103.6 3772858.5   380.4     4.50     0.93
4.88     YES
 L0001560         0   0.14740E-05  462105.6 3772858.6   380.4     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

 L0001561         0   0.14740E-05  462107.6 3772858.7   380.4     4.50     0.93
4.88     YES
 L0001562         0   0.14740E-05  462109.6 3772858.7   380.4     4.50     0.93
4.88     YES
 L0001563         0   0.14740E-05  462111.6 3772858.8   380.4     4.50     0.93
4.88     YES
 L0001564         0   0.14740E-05  462113.6 3772858.8   380.4     4.50     0.93
4.88     YES
 L0001565         0   0.14740E-05  462115.6 3772858.9   380.4     4.50     0.93
4.88     YES
 L0001566         0   0.14740E-05  462117.6 3772858.9   380.4     4.50     0.93
4.88     YES
 L0001567         0   0.14740E-05  462119.6 3772859.0   380.4     4.50     0.93
4.88     YES
 L0001568         0   0.14740E-05  462121.6 3772859.1   380.4     4.50     0.93
4.88     YES
 L0001569         0   0.14740E-05  462123.6 3772859.1   380.4     4.50     0.93
4.88     YES
 L0001570         0   0.14740E-05  462125.6 3772859.2   380.4     4.50     0.93
4.88     YES
 L0001571         0   0.14740E-05  462127.6 3772859.2   380.4     4.50     0.93
4.88     YES
 L0001572         0   0.14740E-05  462129.6 3772859.3   380.4     4.50     0.93
4.88     YES
 L0001573         0   0.14740E-05  462131.6 3772859.3   380.4     4.50     0.93
4.88     YES
 L0001574         0   0.14740E-05  462133.6 3772859.4   380.4     4.50     0.93
4.88     YES
 L0001575         0   0.14740E-05  462135.6 3772859.4   380.4     4.50     0.93
4.88     YES
 L0001576         0   0.14740E-05  462137.6 3772859.5   380.4     4.50     0.93
4.88     YES
 L0001577         0   0.14740E-05  462139.6 3772859.6   380.4     4.50     0.93
4.88     YES
 L0001578         0   0.14740E-05  462141.6 3772859.6   380.4     4.50     0.93
4.88     YES
 L0001579         0   0.14740E-05  462143.6 3772859.7   380.5     4.50     0.93
4.88     YES
 L0001580         0   0.14740E-05  462145.6 3772859.7   380.5     4.50     0.93
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4.88     YES
 L0001581         0   0.14740E-05  462147.6 3772859.8   380.5     4.50     0.93
4.88     YES
 L0001582         0   0.14740E-05  462149.6 3772859.8   380.5     4.50     0.93
4.88     YES
 L0001583         0   0.14740E-05  462151.6 3772859.9   380.5     4.50     0.93
4.88     YES
 L0001584         0   0.14740E-05  462153.6 3772860.0   380.5     4.50     0.93
4.88     YES
 L0001585         0   0.14740E-05  462155.6 3772860.0   380.5     4.50     0.93
4.88     YES
 L0001586         0   0.14740E-05  462157.6 3772860.1   380.5     4.50     0.93
4.88     YES
 L0001587         0   0.14740E-05  462159.6 3772860.1   380.6     4.50     0.93
4.88     YES
 L0001588         0   0.14740E-05  462161.6 3772860.2   380.6     4.50     0.93
4.88     YES
 L0001589         0   0.14740E-05  462163.6 3772860.2   380.6     4.50     0.93
4.88     YES
 L0001590         0   0.14740E-05  462165.6 3772860.3   380.6     4.50     0.93
4.88     YES
 L0001591         0   0.14740E-05  462167.6 3772860.4   380.6     4.50     0.93
4.88     YES
 L0001592         0   0.14740E-05  462169.6 3772860.4   380.6     4.50     0.93
4.88     YES
 L0001593         0   0.14740E-05  462171.6 3772860.5   380.6     4.50     0.93
4.88     YES
 L0001594         0   0.14740E-05  462173.6 3772860.5   380.6     4.50     0.93
4.88     YES
 L0001595         0   0.14740E-05  462175.6 3772860.6   380.7     4.50     0.93
4.88     YES
 L0001596         0   0.14740E-05  462177.6 3772860.6   380.7     4.50     0.93
4.88     YES
 L0001597         0   0.14740E-05  462179.6 3772860.7   380.7     4.50     0.93
4.88     YES
 L0001598         0   0.14740E-05  462181.6 3772860.8   380.7     4.50     0.93
4.88     YES
 L0001599         0   0.14740E-05  462183.6 3772860.8   380.7     4.50     0.93
4.88     YES
 L0001600         0   0.14740E-05  462185.6 3772860.9   380.7     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001601	0	0.14740E-05	462187.6	3772860.9	380.7	4.50	0.93	4.88	YES	
L0001602	0	0.14740E-05	462189.6	3772861.0	380.8	4.50	0.93	4.88	YES	
L0001603	0	0.14740E-05	462191.6	3772861.0	380.8	4.50	0.93	4.88	YES	
L0001604	0	0.14740E-05	462193.6	3772861.1	380.8	4.50	0.93	4.88	YES	
L0001605	0	0.14740E-05	462195.6	3772861.1	380.8	4.50	0.93	4.88	YES	
L0001606	0	0.14740E-05	462197.6	3772861.2	380.8	4.50	0.93	4.88	YES	
L0001607	0	0.14740E-05	462199.6	3772861.3	380.8	4.50	0.93	4.88	YES	
L0001608	0	0.14740E-05	462201.6	3772861.3	380.8	4.50	0.93	4.88	YES	
L0001609	0	0.14740E-05	462203.6	3772861.4	380.8	4.50	0.93	4.88	YES	
L0001610	0	0.14740E-05	462205.6	3772861.4	380.8	4.50	0.93	4.88	YES	
L0001611	0	0.14740E-05	462207.6	3772861.5	380.8	4.50	0.93	4.88	YES	
L0001612	0	0.14740E-05	462209.6	3772861.5	380.8	4.50	0.93	4.88	YES	
L0001613	0	0.14740E-05	462211.6	3772861.6	380.8	4.50	0.93	4.88	YES	
L0001614	0	0.14740E-05	462213.6	3772861.7	380.8	4.50	0.93	4.88	YES	
L0001615	0	0.14740E-05	462215.6	3772861.7	380.8	4.50	0.93	4.88	YES	
L0001616	0	0.14740E-05	462217.6	3772861.8	380.8	4.50	0.93	4.88	YES	
L0001617	0	0.14740E-05	462219.6	3772861.8	380.8	4.50	0.93	4.88	YES	
L0001618	0	0.14740E-05	462221.6	3772861.9	380.7	4.50	0.93			

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4.88     YES
 L0001619         0   0.14740E-05  462223.6 3772861.9   380.7     4.50     0.93
4.88     YES
 L0001620         0   0.14740E-05  462225.6 3772862.0   380.7     4.50     0.93
4.88     YES
 L0001621         0   0.14740E-05  462227.6 3772862.0   380.7     4.50     0.93
4.88     YES
 L0001622         0   0.14740E-05  462229.6 3772862.1   380.7     4.50     0.93
4.88     YES
 L0001623         0   0.14740E-05  462231.6 3772862.2   380.7     4.50     0.93
4.88     YES
 L0001624         0   0.14740E-05  462233.6 3772862.2   380.7     4.50     0.93
4.88     YES
 L0001625         0   0.14740E-05  462235.6 3772862.3   380.7     4.50     0.93
4.88     YES
 L0001626         0   0.14740E-05  462237.6 3772862.3   380.6     4.50     0.93
4.88     YES
 L0001627         0   0.14740E-05  462239.6 3772862.4   380.6     4.50     0.93
4.88     YES
 L0001628         0   0.14740E-05  462241.6 3772862.4   380.6     4.50     0.93
4.88     YES
 L0001629         0   0.14740E-05  462243.6 3772862.5   380.6     4.50     0.93
4.88     YES
 L0001630         0   0.14740E-05  462245.6 3772862.6   380.6     4.50     0.93
4.88     YES
 L0001631         0   0.14740E-05  462247.6 3772862.6   380.6     4.50     0.93
4.88     YES
 L0001632         0   0.14740E-05  462249.6 3772862.7   380.6     4.50     0.93
4.88     YES
 L0001633         0   0.14740E-05  462251.6 3772862.7   380.6     4.50     0.93
4.88     YES
 L0001634         0   0.14740E-05  462253.6 3772862.8   380.6     4.50     0.93
4.88     YES
 L0001635         0   0.14740E-05  462255.6 3772862.8   380.6     4.50     0.93
4.88     YES
 L0001636         0   0.14740E-05  462257.5 3772862.9   380.6     4.50     0.93
4.88     YES
 L0001637         0   0.14740E-05  462259.5 3772863.0   380.6     4.50     0.93
4.88     YES
 L0001638         0   0.14740E-05  462261.5 3772863.0   380.6     4.50     0.93
4.88     YES
 L0001639         0   0.14740E-05  462263.5 3772863.1   380.6     4.50     0.93
4.88     YES
 L0001640         0   0.14740E-05  462265.5 3772863.1   380.6     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001641	0	0.14740E-05	462267.5	3772863.2	380.6	4.50	0.93	4.88	YES	
L0001642	0	0.14740E-05	462269.5	3772863.2	380.6	4.50	0.93	4.88	YES	
L0001643	0	0.14740E-05	462271.5	3772863.3	380.6	4.50	0.93	4.88	YES	
L0001644	0	0.14740E-05	462273.5	3772863.4	380.6	4.50	0.93	4.88	YES	
L0001645	0	0.14740E-05	462275.5	3772863.4	380.5	4.50	0.93	4.88	YES	
L0001646	0	0.14740E-05	462277.5	3772863.5	380.5	4.50	0.93	4.88	YES	
L0001647	0	0.14740E-05	462279.5	3772863.5	380.5	4.50	0.93	4.88	YES	
L0001648	0	0.14740E-05	462281.5	3772863.6	380.5	4.50	0.93	4.88	YES	
L0001649	0	0.14740E-05	462283.5	3772863.6	380.5	4.50	0.93	4.88	YES	
L0001650	0	0.14740E-05	462285.5	3772863.7	380.5	4.50	0.93	4.88	YES	
L0001651	0	0.14740E-05	462287.5	3772863.7	380.5	4.50	0.93	4.88	YES	
L0001652	0	0.14740E-05	462289.5	3772863.8	380.5	4.50	0.93	4.88	YES	
L0001653	0	0.14740E-05	462291.5	3772863.9	380.5	4.50	0.93	4.88	YES	
L0001654	0	0.14740E-05	462293.5	3772863.9	380.5	4.50	0.93	4.88	YES	
L0001655	0	0.14740E-05	462295.5	3772864.0	380.5	4.50	0.93	4.88	YES	
L0001656	0	0.14740E-05	462297.5	3772864.0	380.5	4.50	0.93			

4.88	YES								
L0001657		0	0.14740E-05	462299.5	3772864.1	380.5	4.50	0.93	
4.88	YES								
L0001658		0	0.14740E-05	462301.5	3772864.1	380.5	4.50	0.93	
4.88	YES								
L0001659		0	0.14740E-05	462303.5	3772864.2	380.5	4.50	0.93	
4.88	YES								
L0001660		0	0.14740E-05	462305.5	3772864.3	380.5	4.50	0.93	
4.88	YES								
L0001661		0	0.14740E-05	462307.5	3772864.3	380.5	4.50	0.93	
4.88	YES								
L0001662		0	0.14740E-05	462309.5	3772864.4	380.5	4.50	0.93	
4.88	YES								
L0001663		0	0.14740E-05	462311.5	3772864.4	380.5	4.50	0.93	
4.88	YES								
L0001664		0	0.14740E-05	462313.5	3772864.5	380.5	4.50	0.93	
4.88	YES								
L0001665		0	0.14740E-05	462315.5	3772864.5	380.5	4.50	0.93	
4.88	YES								
L0001666		0	0.14740E-05	462317.5	3772864.6	380.4	4.50	0.93	
4.88	YES								
L0001667		0	0.14740E-05	462319.5	3772864.7	380.4	4.50	0.93	
4.88	YES								
L0001668		0	0.14740E-05	462321.5	3772864.7	380.4	4.50	0.93	
4.88	YES								
L0001669		0	0.14740E-05	462323.5	3772864.8	380.4	4.50	0.93	
4.88	YES								
L0001670		0	0.14740E-05	462325.5	3772864.8	380.4	4.50	0.93	
4.88	YES								
L0001671		0	0.14740E-05	462327.5	3772864.9	380.4	4.50	0.93	
4.88	YES								
L0001672		0	0.14740E-05	462329.5	3772864.9	380.4	4.50	0.93	
4.88	YES								
L0001673		0	0.14740E-05	462331.5	3772865.0	380.4	4.50	0.93	
4.88	YES								
L0001674		0	0.14740E-05	462333.5	3772865.0	380.4	4.50	0.93	
4.88	YES								
L0001675		0	0.14740E-05	462335.5	3772865.1	380.4	4.50	0.93	
4.88	YES								
L0001676		0	0.14740E-05	462337.5	3772865.2	380.4	4.50	0.93	
4.88	YES								
L0001677		0	0.14740E-05	462339.5	3772865.2	380.4	4.50	0.93	
4.88	YES								
L0001678		0	0.14740E-05	462341.5	3772865.3	380.4	4.50	0.93	
4.88	YES								
L0001679		0	0.14740E-05	462343.5	3772865.3	380.4	4.50	0.93	
4.88	YES								
L0001680		0	0.14740E-05	462345.5	3772865.4	380.4	4.50	0.93	

4.88 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001681	0	0.14740E-05	462347.5	3772865.4	380.4	4.50	0.93	4.88	YES	
L0001682	0	0.14740E-05	462349.5	3772865.5	380.4	4.50	0.93	4.88	YES	
L0001683	0	0.14740E-05	462351.5	3772865.6	380.4	4.50	0.93	4.88	YES	
L0001684	0	0.14740E-05	462353.5	3772865.6	380.4	4.50	0.93	4.88	YES	
L0001685	0	0.14740E-05	462355.5	3772865.7	380.4	4.50	0.93	4.88	YES	
L0001686	0	0.14740E-05	462357.5	3772865.7	380.4	4.50	0.93	4.88	YES	
L0001687	0	0.14740E-05	462359.5	3772865.8	380.4	4.50	0.93	4.88	YES	
L0001688	0	0.14740E-05	462361.5	3772865.8	380.4	4.50	0.93	4.88	YES	
L0001689	0	0.14740E-05	462363.5	3772865.9	380.4	4.50	0.93	4.88	YES	
L0001690	0	0.14740E-05	462365.5	3772866.0	380.4	4.50	0.93	4.88	YES	
L0001691	0	0.14740E-05	462367.5	3772866.0	380.4	4.50	0.93	4.88	YES	
L0001692	0	0.14740E-05	462369.5	3772866.1	380.4	4.50	0.93	4.88	YES	
L0001693	0	0.14740E-05	462371.5	3772866.1	380.4	4.50	0.93	4.88	YES	
L0001694	0	0.14740E-05	462373.5	3772866.2	380.4	4.50	0.93			

L0001695	0	0.14740E-05	462375.5	3772866.2	380.4	4.50	0.93	4.88	YES
L0001696	0	0.14740E-05	462377.5	3772866.3	380.4	4.50	0.93	4.88	YES
L0001697	0	0.14740E-05	462379.5	3772866.3	380.4	4.50	0.93	4.88	YES
L0001698	0	0.14740E-05	462381.5	3772866.4	380.3	4.50	0.93	4.88	YES
L0001699	0	0.14740E-05	462383.5	3772866.5	380.3	4.50	0.93	4.88	YES
L0001700	0	0.14740E-05	462385.5	3772866.5	380.3	4.50	0.93	4.88	YES
L0001701	0	0.14740E-05	462387.5	3772866.6	380.3	4.50	0.93	4.88	YES
L0001702	0	0.14740E-05	462389.5	3772866.6	380.3	4.50	0.93	4.88	YES
L0001703	0	0.14740E-05	462391.5	3772866.7	380.3	4.50	0.93	4.88	YES
L0001704	0	0.14740E-05	462393.5	3772866.7	380.3	4.50	0.93	4.88	YES
L0001705	0	0.14740E-05	462395.5	3772866.8	380.3	4.50	0.93	4.88	YES
L0001706	0	0.14740E-05	462397.5	3772866.9	380.3	4.50	0.93	4.88	YES
L0001707	0	0.14740E-05	462399.5	3772866.9	380.3	4.50	0.93	4.88	YES
L0001708	0	0.14740E-05	462401.5	3772867.0	380.3	4.50	0.93	4.88	YES
L0001709	0	0.14740E-05	462403.5	3772867.0	380.3	4.50	0.93	4.88	YES
L0001710	0	0.14740E-05	462405.5	3772867.1	380.3	4.50	0.93	4.88	YES
L0001711	0	0.14740E-05	462407.5	3772867.1	380.3	4.50	0.93	4.88	YES
L0001712	0	0.14740E-05	462409.5	3772867.2	380.3	4.50	0.93	4.88	YES
L0001713	0	0.14740E-05	462411.5	3772867.3	380.3	4.50	0.93	4.88	YES
L0001714	0	0.14740E-05	462413.5	3772867.3	380.2	4.50	0.93	4.88	YES
L0001715	0	0.14740E-05	462415.5	3772867.4	380.2	4.50	0.93	4.88	YES
L0001716	0	0.14740E-05	462417.5	3772867.4	380.2	4.50	0.93	4.88	YES
L0001717	0	0.14740E-05	462419.5	3772867.5	380.2	4.50	0.93	4.88	YES
L0001718	0	0.14740E-05	462421.5	3772867.5	380.2	4.50	0.93		

```
4.88     YES
 L0001719         0   0.14740E-05  462423.5 3772867.6   380.2     4.50     0.93
4.88     YES
 L0001720         0   0.14740E-05  462425.5 3772867.6   380.2     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0001721         0   0.14740E-05  462427.5 3772867.7   380.2     4.50     0.93
4.88     YES
 L0001722         0   0.14740E-05  462429.5 3772867.8   380.2     4.50     0.93
4.88     YES
 L0001723         0   0.14740E-05  462431.5 3772867.8   380.2     4.50     0.93
4.88     YES
 L0001724         0   0.14740E-05  462433.5 3772867.9   380.2     4.50     0.93
4.88     YES
 L0001725         0   0.14740E-05  462435.5 3772867.9   380.2     4.50     0.93
4.88     YES
 L0001726         0   0.14740E-05  462437.5 3772868.0   380.2     4.50     0.93
4.88     YES
 L0001727         0   0.14740E-05  462439.5 3772868.0   380.2     4.50     0.93
4.88     YES
 L0001728         0   0.14740E-05  462441.5 3772868.1   380.2     4.50     0.93
4.88     YES
 L0001729         0   0.14740E-05  462443.5 3772868.2   380.2     4.50     0.93
4.88     YES
 L0001730         0   0.14740E-05  462445.5 3772868.2   380.2     4.50     0.93
4.88     YES
 L0001731         0   0.14740E-05  462447.5 3772868.3   380.2     4.50     0.93
4.88     YES
 L0001732         0   0.14740E-05  462449.5 3772868.3   380.2     4.50     0.93
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L0001733	0	0.14740E-05	462451.5	3772868.4	380.1	4.50	0.93	4.88	YES
L0001734	0	0.14740E-05	462453.5	3772868.4	380.1	4.50	0.93	4.88	YES
L0001735	0	0.14740E-05	462455.5	3772868.5	380.1	4.50	0.93	4.88	YES
L0001736	0	0.14740E-05	462457.5	3772868.6	380.1	4.50	0.93	4.88	YES
L0001737	0	0.14740E-05	462459.5	3772868.6	380.1	4.50	0.93	4.88	YES
L0001738	0	0.14740E-05	462461.5	3772868.7	380.1	4.50	0.93	4.88	YES
L0001739	0	0.14740E-05	462463.5	3772868.7	380.1	4.50	0.93	4.88	YES
L0001740	0	0.14740E-05	462465.5	3772868.8	380.1	4.50	0.93	4.88	YES
L0001741	0	0.14740E-05	462467.5	3772868.8	380.1	4.50	0.93	4.88	YES
L0001742	0	0.14740E-05	462469.5	3772868.9	380.1	4.50	0.93	4.88	YES
L0001743	0	0.14740E-05	462471.5	3772869.0	380.1	4.50	0.93	4.88	YES
L0001744	0	0.14740E-05	462473.5	3772869.0	380.0	4.50	0.93	4.88	YES
L0001745	0	0.14740E-05	462475.5	3772869.1	380.0	4.50	0.93	4.88	YES
L0001746	0	0.14740E-05	462477.5	3772869.1	380.0	4.50	0.93	4.88	YES
L0001747	0	0.14740E-05	462479.5	3772869.2	380.0	4.50	0.93	4.88	YES
L0001748	0	0.14740E-05	462481.5	3772869.2	380.0	4.50	0.93	4.88	YES
L0001749	0	0.14740E-05	462483.5	3772869.3	380.0	4.50	0.93	4.88	YES
L0001750	0	0.14740E-05	462485.5	3772869.3	380.0	4.50	0.93	4.88	YES
L0001751	0	0.14740E-05	462487.5	3772869.4	380.0	4.50	0.93	4.88	YES
L0001752	0	0.14740E-05	462489.5	3772869.5	380.0	4.50	0.93	4.88	YES
L0001753	0	0.14740E-05	462491.5	3772869.5	380.0	4.50	0.93	4.88	YES
L0001754	0	0.14740E-05	462493.5	3772869.6	380.0	4.50	0.93	4.88	YES
L0001755	0	0.14740E-05	462495.5	3772869.6	380.0	4.50	0.93	4.88	YES
L0001756	0	0.14740E-05	462497.5	3772869.7	380.0	4.50	0.93		

4.88 YES
L0001757 0 0.14740E-05 462499.5 3772869.7 380.0 4.50 0.93
4.88 YES
L0001758 0 0.14740E-05 462501.5 3772869.8 380.0 4.50 0.93
4.88 YES
L0001759 0 0.14740E-05 462503.5 3772869.9 380.0 4.50 0.93
4.88 YES
L0001760 0 0.14740E-05 462505.5 3772869.9 380.0 4.50 0.93
4.88 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0001771	0	0.14740E-05	462527.4	3772870.5	379.9	4.50	0.93	4.88	YES
L0001772	0	0.14740E-05	462529.4	3772870.6	379.9	4.50	0.93	4.88	YES
L0001773	0	0.14740E-05	462531.4	3772870.6	379.9	4.50	0.93	4.88	YES
L0001774	0	0.14740E-05	462533.4	3772870.7	379.9	4.50	0.93	4.88	YES
L0001775	0	0.14740E-05	462535.4	3772870.8	379.9	4.50	0.93	4.88	YES
L0001776	0	0.14740E-05	462537.4	3772870.8	379.9	4.50	0.93	4.88	YES
L0001777	0	0.14740E-05	462539.4	3772870.9	379.9	4.50	0.93	4.88	YES
L0001778	0	0.14740E-05	462541.4	3772870.9	379.8	4.50	0.93	4.88	YES
L0001779	0	0.14740E-05	462543.4	3772871.0	379.8	4.50	0.93	4.88	YES
L0001780	0	0.14740E-05	462545.4	3772871.0	379.8	4.50	0.93	4.88	YES
L0001781	0	0.14740E-05	462547.4	3772871.1	379.8	4.50	0.93	4.88	YES
L0001782	0	0.14740E-05	462549.4	3772871.2	379.8	4.50	0.93	4.88	YES
L0001783	0	0.14740E-05	462551.4	3772871.2	379.8	4.50	0.93	4.88	YES
L0001784	0	0.14740E-05	462553.4	3772871.3	379.8	4.50	0.93	4.88	YES
L0001785	0	0.14740E-05	462555.4	3772871.3	379.7	4.50	0.93	4.88	YES
L0001786	0	0.14740E-05	462557.4	3772871.4	379.7	4.50	0.93	4.88	YES
L0001787	0	0.14740E-05	462559.4	3772871.4	379.7	4.50	0.93	4.88	YES
L0001788	0	0.14740E-05	462561.4	3772871.5	379.7	4.50	0.93	4.88	YES
L0001789	0	0.14740E-05	462563.4	3772871.6	379.7	4.50	0.93	4.88	YES
L0001790	0	0.14740E-05	462565.4	3772871.6	379.7	4.50	0.93	4.88	YES
L0001791	0	0.14740E-05	462567.4	3772871.7	379.7	4.50	0.93	4.88	YES
L0001792	0	0.14740E-05	462569.4	3772871.7	379.7	4.50	0.93	4.88	YES
L0001793	0	0.14740E-05	462571.4	3772871.8	379.7	4.50	0.93	4.88	YES
L0001794	0	0.14740E-05	462573.4	3772871.8	379.6	4.50	0.93		

4.88 YES
L0001795 0 0.14740E-05 462575.4 3772871.9 379.6 4.50 0.93
4.88 YES
L0001796 0 0.14740E-05 462577.4 3772871.9 379.6 4.50 0.93
4.88 YES
L0001797 0 0.14740E-05 462579.4 3772872.0 379.6 4.50 0.93
4.88 YES
L0001798 0 0.14740E-05 462581.4 3772872.1 379.6 4.50 0.93
4.88 YES
L0001799 0 0.14740E-05 462583.4 3772872.1 379.6 4.50 0.93
4.88 YES
L0001800 0 0.14740E-05 462585.4 3772872.2 379.6 4.50 0.93
4.88 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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4.88     YES
 L0001809         0   0.14740E-05  462603.4 3772872.7   379.5     4.50     0.93
4.88     YES
 L0001810         0   0.14740E-05  462605.4 3772872.7   379.4     4.50     0.93
4.88     YES
 L0001811         0   0.14740E-05  462607.4 3772872.8   379.4     4.50     0.93
4.88     YES
 L0001812         0   0.14740E-05  462609.4 3772872.9   379.4     4.50     0.93
4.88     YES
 L0001813         0   0.14740E-05  462611.4 3772872.9   379.4     4.50     0.93
4.88     YES
 L0001814         0   0.14740E-05  462613.4 3772873.0   379.4     4.50     0.93
4.88     YES
 L0001815         0   0.14740E-05  462615.4 3772873.0   379.4     4.50     0.93
4.88     YES
 L0001816         0   0.14740E-05  462617.4 3772873.1   379.4     4.50     0.93
4.88     YES
 L0001817         0   0.14740E-05  462619.4 3772873.1   379.4     4.50     0.93
4.88     YES
 L0001818         0   0.14740E-05  462621.4 3772873.2   379.4     4.50     0.93
4.88     YES
 L0001819         0   0.14740E-05  462623.4 3772873.2   379.3     4.50     0.93
4.88     YES
 L0001820         0   0.14740E-05  462625.4 3772873.3   379.3     4.50     0.93
4.88     YES
 L0001821         0   0.14740E-05  462627.4 3772873.4   379.3     4.50     0.93
4.88     YES
 L0001822         0   0.14740E-05  462629.4 3772873.4   379.3     4.50     0.93
4.88     YES
 L0001823         0   0.14740E-05  462631.4 3772873.5   379.3     4.50     0.93
4.88     YES
 L0001824         0   0.14740E-05  462633.4 3772873.5   379.3     4.50     0.93
4.88     YES
 L0001825         0   0.14740E-05  462635.4 3772873.6   379.3     4.50     0.93
4.88     YES
 L0001826         0   0.14740E-05  462637.4 3772873.6   379.3     4.50     0.93
4.88     YES
 L0001827         0   0.14740E-05  462639.4 3772873.7   379.3     4.50     0.93
4.88     YES
 L0001828         0   0.14740E-05  462641.4 3772873.8   379.3     4.50     0.93
4.88     YES
 L0001829         0   0.14740E-05  462643.4 3772873.8   379.3     4.50     0.93
4.88     YES
 L0001830         0   0.14740E-05  462645.4 3772873.9   379.3     4.50     0.93
4.88     YES
 L0001831         0   0.14740E-05  462647.4 3772873.9   379.3     4.50     0.93
4.88     YES
 L0001832         0   0.14740E-05  462649.4 3772874.0   379.3     4.50     0.93
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4.88     YES
 L0001833         0   0.14740E-05  462651.4 3772874.0   379.3     4.50     0.93
4.88     YES
 L0001834         0   0.14740E-05  462653.4 3772874.1   379.3     4.50     0.93
4.88     YES
 L0001835         0   0.14740E-05  462655.4 3772874.2   379.2     4.50     0.93
4.88     YES
 L0001836         0   0.14740E-05  462657.4 3772874.2   379.2     4.50     0.93
4.88     YES
 L0001837         0   0.14740E-05  462659.4 3772874.3   379.2     4.50     0.93
4.88     YES
 L0001838         0   0.14740E-05  462661.4 3772874.3   379.2     4.50     0.93
4.88     YES
 L0001839         0   0.14740E-05  462663.4 3772874.4   379.2     4.50     0.93
4.88     YES
 L0001840         0   0.14740E-05  462665.4 3772874.4   379.2     4.50     0.93
4.88     YES
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                                                    *** VOLUME SOURCE DATA ***

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

 L0001841         0   0.14740E-05  462667.4 3772874.5   379.2     4.50     0.93
4.88     YES
 L0001842         0   0.14740E-05  462669.4 3772874.5   379.2     4.50     0.93
4.88     YES
 L0001843         0   0.14740E-05  462671.4 3772874.6   379.2     4.50     0.93
4.88     YES
 L0001844         0   0.14740E-05  462673.4 3772874.7   379.2     4.50     0.93
4.88     YES
 L0001845         0   0.14740E-05  462675.4 3772874.7   379.2     4.50     0.93
4.88     YES
 L0001846         0   0.14740E-05  462677.4 3772874.8   379.2     4.50     0.93
```

L0001847	0	0.14740E-05	462679.4	3772874.8	379.2	4.50	0.93	4.88	YES
L0001848	0	0.14740E-05	462681.4	3772874.9	379.2	4.50	0.93	4.88	YES
L0001849	0	0.14740E-05	462683.4	3772874.9	379.2	4.50	0.93	4.88	YES
L0001850	0	0.14740E-05	462685.4	3772875.0	379.2	4.50	0.93	4.88	YES
L0001851	0	0.14740E-05	462687.4	3772875.1	379.2	4.50	0.93	4.88	YES
L0001852	0	0.14740E-05	462689.4	3772875.1	379.2	4.50	0.93	4.88	YES
L0001853	0	0.14740E-05	462691.4	3772875.2	379.2	4.50	0.93	4.88	YES
L0001854	0	0.14740E-05	462693.4	3772875.2	379.2	4.50	0.93	4.88	YES
L0001855	0	0.14740E-05	462695.4	3772875.3	379.2	4.50	0.93	4.88	YES
L0001856	0	0.14740E-05	462697.4	3772875.3	379.2	4.50	0.93	4.88	YES
L0001857	0	0.14740E-05	462699.4	3772875.4	379.1	4.50	0.93	4.88	YES
L0001858	0	0.14740E-05	462701.4	3772875.5	379.1	4.50	0.93	4.88	YES
L0001859	0	0.14740E-05	462703.4	3772875.5	379.1	4.50	0.93	4.88	YES
L0001860	0	0.14740E-05	462705.4	3772875.6	379.1	4.50	0.93	4.88	YES
L0001861	0	0.14740E-05	462707.4	3772875.6	379.1	4.50	0.93	4.88	YES
L0001862	0	0.14740E-05	462709.4	3772875.7	379.1	4.50	0.93	4.88	YES
L0001863	0	0.14740E-05	462711.4	3772875.7	379.1	4.50	0.93	4.88	YES
L0001864	0	0.14740E-05	462713.4	3772875.8	379.1	4.50	0.93	4.88	YES
L0001865	0	0.14740E-05	462715.4	3772875.9	379.1	4.50	0.93	4.88	YES
L0001866	0	0.14740E-05	462717.4	3772875.9	379.1	4.50	0.93	4.88	YES
L0001867	0	0.14740E-05	462719.4	3772876.0	379.1	4.50	0.93	4.88	YES
L0001868	0	0.14740E-05	462721.4	3772876.0	379.1	4.50	0.93	4.88	YES
L0001869	0	0.14740E-05	462723.4	3772876.1	379.1	4.50	0.93	4.88	YES
L0001870	0	0.14740E-05	462725.4	3772876.1	379.1	4.50	0.93		

```
4.88     YES
 L0001871         0   0.14740E-05  462727.4 3772876.2   379.1     4.50     0.93
4.88     YES
 L0001872         0   0.14740E-05  462729.4 3772876.2   379.1     4.50     0.93
4.88     YES
 L0001873         0   0.14740E-05  462731.4 3772876.3   379.0     4.50     0.93
4.88     YES
 L0001874         0   0.14740E-05  462733.4 3772876.4   379.0     4.50     0.93
4.88     YES
 L0001875         0   0.14740E-05  462735.4 3772876.4   379.0     4.50     0.93
4.88     YES
 L0001876         0   0.14740E-05  462737.4 3772876.5   379.0     4.50     0.93
4.88     YES
 L0001877         0   0.14740E-05  462739.4 3772876.5   379.0     4.50     0.93
4.88     YES
 L0001878         0   0.14740E-05  462741.4 3772876.6   379.0     4.50     0.93
4.88     YES
 L0001879         0   0.14740E-05  462743.4 3772876.6   379.0     4.50     0.93
4.88     YES
 L0001880         0   0.14740E-05  462745.4 3772876.7   379.0     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0001881         0   0.14740E-05  462747.4 3772876.8   379.0     4.50     0.93
4.88     YES
 L0001882         0   0.14740E-05  462749.4 3772876.8   379.0     4.50     0.93
4.88     YES
 L0001883         0   0.14740E-05  462751.4 3772876.9   379.0     4.50     0.93
4.88     YES
 L0001884         0   0.14740E-05  462753.4 3772876.9   379.0     4.50     0.93
```

L0001885	0	0.14740E-05	462755.4	3772877.0	379.0	4.50	0.93	4.88	YES
L0001886	0	0.14740E-05	462757.3	3772877.0	379.0	4.50	0.93	4.88	YES
L0001887	0	0.14740E-05	462759.3	3772877.1	379.0	4.50	0.93	4.88	YES
L0001888	0	0.14740E-05	462761.3	3772877.2	379.0	4.50	0.93	4.88	YES
L0001889	0	0.14740E-05	462763.3	3772877.2	379.0	4.50	0.93	4.88	YES
L0001890	0	0.14740E-05	462765.3	3772877.3	379.0	4.50	0.93	4.88	YES
L0001891	0	0.14740E-05	462767.3	3772877.3	379.0	4.50	0.93	4.88	YES
L0001892	0	0.14740E-05	462769.3	3772877.4	379.0	4.50	0.93	4.88	YES
L0001893	0	0.14740E-05	462771.3	3772877.4	379.0	4.50	0.93	4.88	YES
L0001894	0	0.14740E-05	462773.3	3772877.5	379.0	4.50	0.93	4.88	YES
L0001895	0	0.14740E-05	462775.3	3772877.5	379.0	4.50	0.93	4.88	YES
L0001896	0	0.14740E-05	462777.3	3772877.6	378.9	4.50	0.93	4.88	YES
L0001897	0	0.14740E-05	462779.3	3772877.7	378.9	4.50	0.93	4.88	YES
L0001898	0	0.14740E-05	462781.3	3772877.7	378.9	4.50	0.93	4.88	YES
L0001899	0	0.14740E-05	462783.3	3772877.8	378.9	4.50	0.93	4.88	YES
L0001900	0	0.14740E-05	462785.3	3772877.8	378.9	4.50	0.93	4.88	YES
L0001901	0	0.14740E-05	462787.3	3772877.9	378.9	4.50	0.93	4.88	YES
L0001902	0	0.14740E-05	462789.3	3772877.9	378.9	4.50	0.93	4.88	YES
L0001903	0	0.14740E-05	462791.3	3772878.0	378.9	4.50	0.93	4.88	YES
L0001904	0	0.14740E-05	462793.3	3772878.1	378.9	4.50	0.93	4.88	YES
L0001905	0	0.14740E-05	462795.3	3772878.1	378.9	4.50	0.93	4.88	YES
L0001906	0	0.14740E-05	462797.3	3772878.2	378.9	4.50	0.93	4.88	YES
L0001907	0	0.14740E-05	462799.3	3772878.2	378.9	4.50	0.93	4.88	YES
L0001908	0	0.14740E-05	462801.3	3772878.3	378.9	4.50	0.93		

```
4.88     YES
 L0001909         0   0.14740E-05  462803.3 3772878.3   378.9     4.50     0.93
4.88     YES
 L0001910         0   0.14740E-05  462805.3 3772878.4   378.9     4.50     0.93
4.88     YES
 L0001911         0   0.14740E-05  462807.3 3772878.5   378.9     4.50     0.93
4.88     YES
 L0001912         0   0.14740E-05  462809.3 3772878.5   378.9     4.50     0.93
4.88     YES
 L0001913         0   0.14740E-05  462811.3 3772878.6   378.9     4.50     0.93
4.88     YES
 L0001914         0   0.14740E-05  462813.3 3772878.6   378.9     4.50     0.93
4.88     YES
 L0001915         0   0.14740E-05  462815.3 3772878.7   378.9     4.50     0.93
4.88     YES
 L0001916         0   0.14740E-05  462817.3 3772878.7   378.9     4.50     0.93
4.88     YES
 L0001917         0   0.14740E-05  462819.3 3772878.8   378.9     4.50     0.93
4.88     YES
 L0001918         0   0.14740E-05  462821.3 3772878.8   378.8     4.50     0.93
4.88     YES
 L0001919         0   0.14740E-05  462823.3 3772878.9   378.8     4.50     0.93
4.88     YES
 L0001920         0   0.14740E-05  462825.3 3772879.0   378.8     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 L0001921         0   0.14740E-05  462827.3 3772879.0   378.8     4.50     0.93
4.88     YES
 L0001922         0   0.14740E-05  462829.3 3772879.1   378.8     4.50     0.93
```

L0001923	0	0.14740E-05	462831.3	3772879.1	378.8	4.50	0.93	4.88	YES
L0001924	0	0.14740E-05	462833.3	3772879.2	378.8	4.50	0.93	4.88	YES
L0001925	0	0.14740E-05	462835.3	3772879.2	378.8	4.50	0.93	4.88	YES
L0001926	0	0.14740E-05	462837.3	3772879.3	378.8	4.50	0.93	4.88	YES
L0001927	0	0.14740E-05	462839.3	3772879.4	378.8	4.50	0.93	4.88	YES
L0001928	0	0.14740E-05	462841.3	3772879.4	378.8	4.50	0.93	4.88	YES
L0001929	0	0.14740E-05	462843.3	3772879.5	378.8	4.50	0.93	4.88	YES
L0001930	0	0.14740E-05	462845.3	3772879.5	378.8	4.50	0.93	4.88	YES
L0001931	0	0.14740E-05	462847.3	3772879.6	378.8	4.50	0.93	4.88	YES
L0001932	0	0.14740E-05	462849.3	3772879.6	378.8	4.50	0.93	4.88	YES
L0001933	0	0.14740E-05	462851.3	3772879.7	378.8	4.50	0.93	4.88	YES
L0001934	0	0.14740E-05	462853.3	3772879.8	378.8	4.50	0.93	4.88	YES
L0001935	0	0.14740E-05	462855.3	3772879.8	378.8	4.50	0.93	4.88	YES
L0001936	0	0.14740E-05	462857.3	3772879.9	378.8	4.50	0.93	4.88	YES
L0001937	0	0.14740E-05	462859.3	3772879.9	378.8	4.50	0.93	4.88	YES
L0001938	0	0.14740E-05	462861.3	3772880.0	378.8	4.50	0.93	4.88	YES
L0001939	0	0.14740E-05	462863.3	3772880.0	378.7	4.50	0.93	4.88	YES
L0001940	0	0.14740E-05	462865.3	3772880.1	378.7	4.50	0.93	4.88	YES
L0001941	0	0.14740E-05	462867.3	3772880.1	378.7	4.50	0.93	4.88	YES
L0001942	0	0.14740E-05	462869.3	3772880.2	378.7	4.50	0.93	4.88	YES
L0001943	0	0.14740E-05	462871.3	3772880.3	378.7	4.50	0.93	4.88	YES
L0001944	0	0.14740E-05	462873.3	3772880.3	378.7	4.50	0.93	4.88	YES
L0001945	0	0.14740E-05	462875.3	3772880.4	378.7	4.50	0.93	4.88	YES
L0001946	0	0.14740E-05	462877.3	3772880.4	378.7	4.50	0.93		

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4.88     YES
 L0001947         0   0.14740E-05  462879.3 3772880.5   378.7     4.50     0.93
4.88     YES
 L0001948         0   0.14740E-05  462881.3 3772880.5   378.7     4.50     0.93
4.88     YES
 L0001949         0   0.14740E-05  462883.3 3772880.6   378.7     4.50     0.93
4.88     YES
 L0001950         0   0.14740E-05  462885.3 3772880.7   378.7     4.50     0.93
4.88     YES
 L0001951         0   0.14740E-05  462887.3 3772880.7   378.7     4.50     0.93
4.88     YES
 L0001952         0   0.14740E-05  462889.3 3772880.8   378.7     4.50     0.93
4.88     YES
 L0001953         0   0.14740E-05  462891.3 3772880.8   378.7     4.50     0.93
4.88     YES
 L0001954         0   0.14740E-05  462893.3 3772880.9   378.7     4.50     0.93
4.88     YES
 L0001955         0   0.14740E-05  462895.3 3772880.9   378.7     4.50     0.93
4.88     YES
 L0001956         0   0.14740E-05  462897.3 3772881.0   378.7     4.50     0.93
4.88     YES
 L0001957         0   0.14740E-05  462899.3 3772881.1   378.6     4.50     0.93
4.88     YES
 L0001958         0   0.14740E-05  462901.3 3772881.1   378.6     4.50     0.93
4.88     YES
 L0001959         0   0.14740E-05  462903.3 3772881.2   378.6     4.50     0.93
4.88     YES
 L0001960         0   0.14740E-05  462905.3 3772881.2   378.6     4.50     0.93
4.88     YES
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                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001961	0	0.14740E-05	462907.3	3772881.3	378.6	4.50	0.93	4.88	YES
L0001962	0	0.14740E-05	462909.3	3772881.3	378.6	4.50	0.93	4.88	YES
L0001963	0	0.14740E-05	462911.3	3772881.4	378.6	4.50	0.93	4.88	YES
L0001964	0	0.14740E-05	462913.3	3772881.5	378.6	4.50	0.93	4.88	YES
L0001965	0	0.14740E-05	462915.3	3772881.5	378.6	4.50	0.93	4.88	YES
L0001966	0	0.14740E-05	462917.3	3772881.6	378.6	4.50	0.93	4.88	YES
L0001967	0	0.14740E-05	462919.3	3772881.6	378.6	4.50	0.93	4.88	YES
L0001968	0	0.14740E-05	462921.3	3772881.7	378.6	4.50	0.93	4.88	YES
L0001969	0	0.14740E-05	462923.3	3772881.7	378.6	4.50	0.93	4.88	YES
L0001970	0	0.14740E-05	462925.3	3772881.8	378.6	4.50	0.93	4.88	YES
L0001971	0	0.14740E-05	462927.3	3772881.8	378.5	4.50	0.93	4.88	YES
L0001972	0	0.14740E-05	462929.3	3772881.9	378.5	4.50	0.93	4.88	YES
L0001973	0	0.14740E-05	462931.3	3772882.0	378.5	4.50	0.93	4.88	YES
L0001974	0	0.14740E-05	462933.3	3772882.0	378.5	4.50	0.93	4.88	YES
L0001975	0	0.14740E-05	462935.3	3772882.1	378.5	4.50	0.93	4.88	YES
L0001976	0	0.14740E-05	462937.3	3772882.1	378.5	4.50	0.93	4.88	YES
L0001977	0	0.14740E-05	462939.3	3772882.2	378.5	4.50	0.93	4.88	YES
L0001978	0	0.14740E-05	462941.3	3772882.2	378.5	4.50	0.93	4.88	YES
L0001979	0	0.14740E-05	462943.3	3772882.3	378.5	4.50	0.93	4.88	YES
L0001980	0	0.14740E-05	462945.3	3772882.4	378.5	4.50	0.93	4.88	YES
L0001981	0	0.14740E-05	462947.3	3772882.4	378.4	4.50	0.93	4.88	YES
L0001982	0	0.14740E-05	462949.3	3772882.5	378.4	4.50	0.93	4.88	YES
L0001983	0	0.14740E-05	462951.3	3772882.5	378.4	4.50	0.93	4.88	YES
L0001984	0	0.14740E-05	462953.3	3772882.6	378.4	4.50	0.93		

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4.88     YES
 L0001985         0   0.14740E-05  462955.3 3772882.6   378.4     4.50     0.93
4.88     YES
 L0001986         0   0.14740E-05  462957.3 3772882.7   378.4     4.50     0.93
4.88     YES
 L0001987         0   0.14740E-05  462959.3 3772882.8   378.4     4.50     0.93
4.88     YES
 L0001988         0   0.14740E-05  462961.3 3772882.8   378.4     4.50     0.93
4.88     YES
 L0001989         0   0.14740E-05  462963.3 3772882.9   378.4     4.50     0.93
4.88     YES
 L0001990         0   0.14740E-05  462965.3 3772882.9   378.4     4.50     0.93
4.88     YES
 L0001991         0   0.14740E-05  462967.3 3772883.0   378.4     4.50     0.93
4.88     YES
 L0001992         0   0.14740E-05  462969.3 3772883.0   378.4     4.50     0.93
4.88     YES
 L0001993         0   0.14740E-05  462971.3 3772883.1   378.4     4.50     0.93
4.88     YES
 L0001994         0   0.14740E-05  462973.3 3772883.1   378.4     4.50     0.93
4.88     YES
 L0001995         0   0.14740E-05  462975.3 3772883.2   378.5     4.50     0.93
4.88     YES
 L0001996         0   0.14740E-05  462977.3 3772883.3   378.5     4.50     0.93
4.88     YES
 L0001997         0   0.14740E-05  462979.3 3772883.3   378.5     4.50     0.93
4.88     YES
 L0001998         0   0.14740E-05  462981.3 3772883.4   378.5     4.50     0.93
4.88     YES
 L0001999         0   0.14740E-05  462983.3 3772883.4   378.5     4.50     0.93
4.88     YES
 L0002000         0   0.14740E-05  462985.3 3772883.5   378.5     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***       18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0002001	0	0.14740E-05	462987.3	3772883.5	378.5	4.50	0.93	4.88 YES
L0002002	0	0.14740E-05	462989.3	3772883.6	378.5	4.50	0.93	4.88 YES
L0002003	0	0.14740E-05	462991.3	3772883.7	378.5	4.50	0.93	4.88 YES
L0002004	0	0.14740E-05	462993.3	3772883.7	378.6	4.50	0.93	4.88 YES
L0002005	0	0.14740E-05	462995.3	3772883.8	378.6	4.50	0.93	4.88 YES
L0002006	0	0.14740E-05	462997.3	3772883.8	378.6	4.50	0.93	4.88 YES
L0002007	0	0.14740E-05	462999.3	3772883.9	378.6	4.50	0.93	4.88 YES
L0002008	0	0.14740E-05	463001.3	3772883.9	378.6	4.50	0.93	4.88 YES
L0002009	0	0.14740E-05	463003.3	3772884.0	378.7	4.50	0.93	4.88 YES
L0002010	0	0.14740E-05	463005.3	3772884.1	378.7	4.50	0.93	4.88 YES
L0002011	0	0.14740E-05	463007.2	3772884.1	378.7	4.50	0.93	4.88 YES
L0002012	0	0.14740E-05	463009.2	3772884.2	378.7	4.50	0.93	4.88 YES
L0002013	0	0.14740E-05	463011.2	3772884.2	378.7	4.50	0.93	4.88 YES
L0002014	0	0.14740E-05	463013.2	3772884.3	378.7	4.50	0.93	4.88 YES
L0002015	0	0.14740E-05	463015.2	3772884.3	378.7	4.50	0.93	4.88 YES
L0002016	0	0.14740E-05	463017.2	3772884.4	378.6	4.50	0.93	4.88 YES
L0002017	0	0.14740E-05	463019.2	3772884.4	378.6	4.50	0.93	4.88 YES
L0002018	0	0.14740E-05	463021.2	3772884.5	378.5	4.50	0.93	4.88 YES
L0002019	0	0.14740E-05	463023.2	3772884.6	378.4	4.50	0.93	4.88 YES
L0002020	0	0.14740E-05	463025.2	3772884.6	378.4	4.50	0.93	4.88 YES
L0002021	0	0.14740E-05	463027.2	3772884.7	378.3	4.50	0.93	4.88 YES
L0002022	0	0.14740E-05	463029.2	3772884.7	378.3	4.50	0.93	

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4.88     YES
 L0002023         0   0.14740E-05  463031.2 3772884.8   378.2     4.50     0.93
4.88     YES
 L0002024         0   0.14740E-05  463033.2 3772884.8   378.2     4.50     0.93
4.88     YES
 L0002025         0   0.14740E-05  463035.2 3772884.9   378.1     4.50     0.93
4.88     YES
 L0002026         0   0.14740E-05  463037.2 3772885.0   378.0     4.50     0.93
4.88     YES
 L0002027         0   0.14740E-05  463039.2 3772885.0   378.0     4.50     0.93
4.88     YES
 L0002028         0   0.14740E-05  463041.2 3772885.1   378.0     4.50     0.93
4.88     YES
 L0002029         0   0.14740E-05  463043.2 3772885.1   378.0     4.50     0.93
4.88     YES
 L0002030         0   0.14740E-05  463045.2 3772885.2   377.9     4.50     0.93
4.88     YES
 L0002031         0   0.14740E-05  463047.2 3772885.2   377.9     4.50     0.93
4.88     YES
 L0002032         0   0.14740E-05  463049.2 3772885.3   377.9     4.50     0.93
4.88     YES
 L0002033         0   0.14740E-05  463051.2 3772885.4   377.9     4.50     0.93
4.88     YES
 L0002034         0   0.14740E-05  463053.2 3772885.4   377.9     4.50     0.93
4.88     YES
 L0002035         0   0.14740E-05  463055.2 3772885.5   377.9     4.50     0.93
4.88     YES
 L0002036         0   0.14740E-05  463057.2 3772885.5   377.9     4.50     0.93
4.88     YES
 L0002037         0   0.14740E-05  463059.2 3772885.6   377.8     4.50     0.93
4.88     YES
 L0002038         0   0.14740E-05  463061.2 3772885.6   377.8     4.50     0.93
4.88     YES
 L0002039         0   0.14740E-05  463063.2 3772885.7   377.8     4.50     0.93
4.88     YES
 L0002040         0   0.14740E-05  463065.2 3772885.7   377.8     4.50     0.93
4.88     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002041	0	0.14740E-05	463067.2	3772885.8	377.9	4.50	0.93	4.88	YES	
L0002042	0	0.14740E-05	463069.2	3772885.9	377.9	4.50	0.93	4.88	YES	
L0002043	0	0.14740E-05	463071.2	3772885.9	377.9	4.50	0.93	4.88	YES	
L0002044	0	0.14740E-05	463073.2	3772886.0	377.9	4.50	0.93	4.88	YES	
L0002045	0	0.14740E-05	463075.2	3772886.0	378.0	4.50	0.93	4.88	YES	
L0002046	0	0.14740E-05	463077.2	3772886.1	378.0	4.50	0.93	4.88	YES	
L0002047	0	0.14740E-05	463079.2	3772886.1	378.1	4.50	0.93	4.88	YES	
L0002048	0	0.14740E-05	463081.2	3772886.2	378.1	4.50	0.93	4.88	YES	
L0002049	0	0.14740E-05	463083.2	3772886.3	378.1	4.50	0.93	4.88	YES	
L0002050	0	0.14740E-05	463085.2	3772886.3	378.2	4.50	0.93	4.88	YES	
L0002051	0	0.14740E-05	463087.2	3772886.4	378.2	4.50	0.93	4.88	YES	
L0002052	0	0.14740E-05	463089.2	3772886.4	378.2	4.50	0.93	4.88	YES	
L0002053	0	0.14740E-05	463091.2	3772886.5	378.2	4.50	0.93	4.88	YES	
L0002054	0	0.14740E-05	463093.2	3772886.5	378.2	4.50	0.93	4.88	YES	
L0002055	0	0.14740E-05	463095.2	3772886.6	378.2	4.50	0.93	4.88	YES	
L0002056	0	0.14740E-05	463097.2	3772886.7	378.2	4.50	0.93	4.88	YES	
L0002057	0	0.14740E-05	463099.2	3772886.7	378.2	4.50	0.93	4.88	YES	
L0002058	0	0.14740E-05	463101.2	3772886.8	378.2	4.50	0.93	4.88	YES	
L0002059	0	0.14740E-05	463103.2	3772886.8	378.2	4.50	0.93	4.88	YES	
L0002060	0	0.14740E-05	463105.2	3772886.9	378.2	4.50	0.93			

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4.88     YES
 L0002061         0   0.14740E-05  463107.2 3772886.9   378.2     4.50     0.93
4.88     YES
 L0002062         0   0.14740E-05  463109.2 3772887.0   378.1     4.50     0.93
4.88     YES
 L0002063         0   0.14740E-05  463111.2 3772887.0   378.1     4.50     0.93
4.88     YES
 L0002064         0   0.14740E-05  463113.2 3772887.1   378.1     4.50     0.93
4.88     YES
 L0002065         0   0.14740E-05  463115.2 3772887.2   378.1     4.50     0.93
4.88     YES
 L0002066         0   0.14740E-05  463117.2 3772887.2   378.1     4.50     0.93
4.88     YES
 L0002067         0   0.14740E-05  463119.2 3772887.3   378.1     4.50     0.93
4.88     YES
 L0002068         0   0.14740E-05  463121.2 3772887.3   378.1     4.50     0.93
4.88     YES
 L0002069         0   0.14740E-05  463123.2 3772887.4   378.1     4.50     0.93
4.88     YES
 L0002070         0   0.14740E-05  463125.2 3772887.4   378.1     4.50     0.93
4.88     YES
 L0002071         0   0.14740E-05  463127.2 3772887.5   378.0     4.50     0.93
4.88     YES
 L0002072         0   0.14740E-05  463129.2 3772887.6   378.0     4.50     0.93
4.88     YES
 L0002073         0   0.14740E-05  463131.2 3772887.6   378.0     4.50     0.93
4.88     YES
 L0002074         0   0.14740E-05  463133.2 3772887.7   378.0     4.50     0.93
4.88     YES
 L0002075         0   0.14740E-05  463135.2 3772887.7   378.0     4.50     0.93
4.88     YES
 L0002076         0   0.14740E-05  463137.2 3772887.8   378.0     4.50     0.93
4.88     YES
 L0002077         0   0.14740E-05  463139.2 3772887.8   378.0     4.50     0.93
4.88     YES
 L0002078         0   0.14740E-05  463141.2 3772887.9   378.0     4.50     0.93
4.88     YES
 L0002079         0   0.14740E-05  463143.2 3772888.0   377.9     4.50     0.93
4.88     YES
 L0002080         0   0.14740E-05  463145.2 3772888.0   377.9     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       18:21:03

                                 PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002081	0	0.14740E-05	463147.2	3772888.1	377.9	4.50	0.93	4.88	YES	
L0002082	0	0.14740E-05	463149.2	3772888.1	377.9	4.50	0.93	4.88	YES	
L0002083	0	0.14740E-05	463151.2	3772888.2	377.9	4.50	0.93	4.88	YES	
L0002084	0	0.14740E-05	463153.2	3772888.2	377.9	4.50	0.93	4.88	YES	
L0002085	0	0.14740E-05	463155.2	3772888.3	377.9	4.50	0.93	4.88	YES	
L0002086	0	0.14740E-05	463157.2	3772888.4	377.9	4.50	0.93	4.88	YES	
L0002087	0	0.14740E-05	463159.2	3772888.4	377.9	4.50	0.93	4.88	YES	
L0002088	0	0.14740E-05	463161.2	3772888.5	377.9	4.50	0.93	4.88	YES	
L0002089	0	0.14740E-05	463163.2	3772888.5	377.9	4.50	0.93	4.88	YES	
L0002090	0	0.14740E-05	463165.2	3772888.6	377.9	4.50	0.93	4.88	YES	
L0002091	0	0.14740E-05	463167.2	3772888.6	377.9	4.50	0.93	4.88	YES	
L0002092	0	0.14740E-05	463169.2	3772888.7	377.9	4.50	0.93	4.88	YES	
L0002093	0	0.14740E-05	463171.2	3772888.7	377.9	4.50	0.93	4.88	YES	
L0002094	0	0.14740E-05	463173.2	3772888.8	377.9	4.50	0.93	4.88	YES	
L0002095	0	0.14740E-05	463175.2	3772888.9	377.9	4.50	0.93	4.88	YES	
L0002096	0	0.14740E-05	463177.2	3772888.9	377.8	4.50	0.93	4.88	YES	
L0002097	0	0.14740E-05	463179.2	3772889.0	377.8	4.50	0.93	4.88	YES	
L0002098	0	0.14740E-05	463181.2	3772889.0	377.8	4.50	0.93			

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4.88     YES
 L0002099         0   0.14740E-05  463183.2 3772889.1   377.8     4.50     0.93
4.88     YES
 L0002100         0   0.14740E-05  463185.2 3772889.1   377.8     4.50     0.93
4.88     YES
 L0002101         0   0.14740E-05  463187.2 3772889.2   377.8     4.50     0.93
4.88     YES
 L0002102         0   0.14740E-05  463189.2 3772889.3   377.8     4.50     0.93
4.88     YES
 L0002103         0   0.14740E-05  463191.2 3772889.3   377.8     4.50     0.93
4.88     YES
 L0002104         0   0.14740E-05  463193.2 3772889.4   377.8     4.50     0.93
4.88     YES
 L0002105         0   0.14740E-05  463195.2 3772889.4   377.8     4.50     0.93
4.88     YES
 L0002106         0   0.14740E-05  463197.2 3772889.5   377.8     4.50     0.93
4.88     YES
 L0002107         0   0.14740E-05  463199.2 3772889.5   377.8     4.50     0.93
4.88     YES
 L0002108         0   0.14740E-05  463201.2 3772889.6   377.8     4.50     0.93
4.88     YES
 L0002109         0   0.14740E-05  463203.2 3772889.7   377.8     4.50     0.93
4.88     YES
 L0002110         0   0.14740E-05  463205.2 3772889.7   377.8     4.50     0.93
4.88     YES
 L0002111         0   0.14740E-05  463207.2 3772889.8   377.8     4.50     0.93
4.88     YES
 L0002112         0   0.14740E-05  463209.2 3772889.8   377.8     4.50     0.93
4.88     YES
 L0002113         0   0.14740E-05  463211.2 3772889.9   377.8     4.50     0.93
4.88     YES
 L0002114         0   0.14740E-05  463213.2 3772889.9   377.8     4.50     0.93
4.88     YES
 L0002115         0   0.14740E-05  463215.2 3772890.0   377.8     4.50     0.93
4.88     YES
 L0002116         0   0.14740E-05  463217.2 3772890.0   377.8     4.50     0.93
4.88     YES
 L0002117         0   0.14740E-05  463219.2 3772890.1   377.8     4.50     0.93
4.88     YES
 L0002118         0   0.14740E-05  463221.2 3772890.2   377.8     4.50     0.93
4.88     YES
 L0002119         0   0.14740E-05  463223.2 3772890.2   377.8     4.50     0.93
4.88     YES
 L0002120         0   0.14740E-05  463225.2 3772890.3   377.8     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002121	0	0.14740E-05	463227.2	3772890.3	377.8	4.50	0.93	4.88	YES	
L0002122	0	0.14740E-05	463229.2	3772890.4	377.8	4.50	0.93	4.88	YES	
L0002123	0	0.14740E-05	463231.2	3772890.4	377.8	4.50	0.93	4.88	YES	
L0002124	0	0.14740E-05	463233.2	3772890.5	377.8	4.50	0.93	4.88	YES	
L0002125	0	0.14740E-05	463235.2	3772890.6	377.8	4.50	0.93	4.88	YES	
L0002126	0	0.14740E-05	463237.2	3772890.6	377.8	4.50	0.93	4.88	YES	
L0002127	0	0.14740E-05	463239.2	3772890.7	377.8	4.50	0.93	4.88	YES	
L0002128	0	0.14740E-05	463241.2	3772890.7	377.8	4.50	0.93	4.88	YES	
L0002129	0	0.14740E-05	463243.2	3772890.8	377.8	4.50	0.93	4.88	YES	
L0002130	0	0.14740E-05	463245.2	3772890.8	377.8	4.50	0.93	4.88	YES	
L0002131	0	0.14740E-05	463247.2	3772890.9	377.8	4.50	0.93	4.88	YES	
L0002132	0	0.14740E-05	463249.2	3772891.0	377.8	4.50	0.93	4.88	YES	
L0002133	0	0.14740E-05	463251.2	3772891.0	377.8	4.50	0.93	4.88	YES	
L0002134	0	0.14740E-05	463253.2	3772891.1	377.8	4.50	0.93	4.88	YES	
L0002135	0	0.14740E-05	463255.2	3772891.1	377.8	4.50	0.93	4.88	YES	
L0002136	0	0.14740E-05	463257.1	3772891.2	377.8	4.50	0.93			

L0002137	0	0.14740E-05	463259.1	3772891.2	377.8	4.50	0.93	4.88	YES
L0002138	0	0.14740E-05	463261.1	3772891.3	377.8	4.50	0.93	4.88	YES
L0002139	0	0.14740E-05	463263.1	3772891.3	377.8	4.50	0.93	4.88	YES
L0002140	0	0.14740E-05	463265.1	3772891.4	377.8	4.50	0.93	4.88	YES
L0002141	0	0.14740E-05	463267.1	3772891.5	377.8	4.50	0.93	4.88	YES
L0002142	0	0.14740E-05	463269.1	3772891.5	377.8	4.50	0.93	4.88	YES
L0002143	0	0.14740E-05	463271.1	3772891.6	377.8	4.50	0.93	4.88	YES
L0002144	0	0.14740E-05	463273.1	3772891.6	377.8	4.50	0.93	4.88	YES
L0002145	0	0.14740E-05	463275.1	3772891.7	377.8	4.50	0.93	4.88	YES
L0002146	0	0.14740E-05	463277.1	3772891.7	377.8	4.50	0.93	4.88	YES
L0002147	0	0.14740E-05	463279.1	3772891.8	377.8	4.50	0.93	4.88	YES
L0002148	0	0.14740E-05	463281.1	3772891.9	377.7	4.50	0.93	4.88	YES
L0002149	0	0.14740E-05	463283.1	3772891.9	377.7	4.50	0.93	4.88	YES
L0002150	0	0.14740E-05	463285.1	3772892.0	377.7	4.50	0.93	4.88	YES
L0002151	0	0.14740E-05	463287.1	3772892.0	377.7	4.50	0.93	4.88	YES
L0002152	0	0.14740E-05	463289.1	3772892.1	377.7	4.50	0.93	4.88	YES
L0002153	0	0.14740E-05	463291.1	3772892.1	377.7	4.50	0.93	4.88	YES
L0002154	0	0.14740E-05	463293.1	3772892.2	377.7	4.50	0.93	4.88	YES
L0002155	0	0.14740E-05	463295.1	3772892.3	377.7	4.50	0.93	4.88	YES
L0002156	0	0.14740E-05	463297.1	3772892.3	377.7	4.50	0.93	4.88	YES
L0002157	0	0.14740E-05	463299.1	3772892.4	377.7	4.50	0.93	4.88	YES
L0002158	0	0.14740E-05	463301.1	3772892.4	377.7	4.50	0.93	4.88	YES
L0002159	0	0.14740E-05	463303.1	3772892.5	377.7	4.50	0.93	4.88	YES
L0002160	0	0.14740E-05	463305.1	3772892.5	377.7	4.50	0.93		

4.88 YES
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002161	0	0.14740E-05	463307.1	3772892.6	377.7	4.50	0.93	4.88	YES	
L0002162	0	0.14740E-05	463309.1	3772892.6	377.7	4.50	0.93	4.88	YES	
L0002163	0	0.14740E-05	463311.1	3772892.7	377.7	4.50	0.93	4.88	YES	
L0002164	0	0.14740E-05	463313.1	3772892.8	377.7	4.50	0.93	4.88	YES	
L0002165	0	0.14740E-05	463315.1	3772892.8	377.7	4.50	0.93	4.88	YES	
L0002166	0	0.14740E-05	463317.1	3772892.9	377.7	4.50	0.93	4.88	YES	
L0002167	0	0.14740E-05	463319.1	3772892.9	377.7	4.50	0.93	4.88	YES	
L0002168	0	0.14740E-05	463321.1	3772893.0	377.7	4.50	0.93	4.88	YES	
L0002169	0	0.14740E-05	463323.1	3772893.0	377.7	4.50	0.93	4.88	YES	
L0002170	0	0.14740E-05	463325.1	3772893.1	377.7	4.50	0.93	4.88	YES	
L0002171	0	0.14740E-05	463327.1	3772893.2	377.7	4.50	0.93	4.88	YES	
L0002172	0	0.14740E-05	463329.1	3772893.2	377.7	4.50	0.93	4.88	YES	
L0002173	0	0.14740E-05	463331.1	3772893.3	377.7	4.50	0.93	4.88	YES	
L0002174	0	0.14740E-05	463333.1	3772893.3	377.7	4.50	0.93			

L0002175	0	0.14740E-05	463335.1	3772893.4	377.6	4.50	0.93	4.88	YES
L0002176	0	0.14740E-05	463337.1	3772893.4	377.6	4.50	0.93	4.88	YES
L0002177	0	0.14740E-05	463339.1	3772893.5	377.6	4.50	0.93	4.88	YES
L0002178	0	0.14740E-05	463341.1	3772893.6	377.6	4.50	0.93	4.88	YES
L0002179	0	0.14740E-05	463343.1	3772893.6	377.6	4.50	0.93	4.88	YES
L0002180	0	0.14740E-05	463345.1	3772893.7	377.6	4.50	0.93	4.88	YES
L0002181	0	0.14740E-05	463347.1	3772893.7	377.6	4.50	0.93	4.88	YES
L0002182	0	0.14740E-05	463349.1	3772893.8	377.5	4.50	0.93	4.88	YES
L0002183	0	0.14740E-05	463351.1	3772893.8	377.5	4.50	0.93	4.88	YES
L0002184	0	0.14740E-05	463353.1	3772893.9	377.4	4.50	0.93	4.88	YES
L0002185	0	0.14740E-05	463355.1	3772894.0	377.4	4.50	0.93	4.88	YES
L0002186	0	0.14740E-05	463357.1	3772894.0	377.3	4.50	0.93	4.88	YES
L0002187	0	0.14740E-05	463359.1	3772894.1	377.2	4.50	0.93	4.88	YES
L0002188	0	0.14740E-05	463361.1	3772894.1	377.2	4.50	0.93	4.88	YES
L0002189	0	0.14740E-05	463363.1	3772894.2	377.1	4.50	0.93	4.88	YES
L0002190	0	0.14740E-05	463365.1	3772894.2	377.1	4.50	0.93	4.88	YES
L0002191	0	0.14740E-05	463367.1	3772894.3	377.0	4.50	0.93	4.88	YES
L0002192	0	0.14740E-05	463369.1	3772894.3	377.0	4.50	0.93	4.88	YES
L0002193	0	0.14740E-05	463371.1	3772894.4	376.9	4.50	0.93	4.88	YES
L0002194	0	0.14740E-05	463373.1	3772894.5	376.9	4.50	0.93	4.88	YES
L0002195	0	0.14740E-05	463375.1	3772894.5	376.9	4.50	0.93	4.88	YES
L0002196	0	0.14740E-05	463377.1	3772894.6	376.9	4.50	0.93	4.88	YES
L0002197	0	0.14740E-05	463379.1	3772894.6	377.0	4.50	0.93	4.88	YES
L0002198	0	0.14740E-05	463381.1	3772894.7	377.0	4.50	0.93		

```
4.88     YES
 L0002199         0   0.14740E-05  463383.1 3772894.7   377.0     4.50     0.93
4.88     YES
 L0002200         0   0.14740E-05  463385.1 3772894.8   377.0     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

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

 L0002201         0   0.14740E-05  463387.1 3772894.9   377.0     4.50     0.93
4.88     YES
 L0002202         0   0.14740E-05  463389.1 3772894.9   377.1     4.50     0.93
4.88     YES
 L0002203         0   0.14740E-05  463391.1 3772895.0   377.1     4.50     0.93
4.88     YES
 L0002204         0   0.14740E-05  463393.1 3772895.0   377.1     4.50     0.93
4.88     YES
 L0002205         0   0.14740E-05  463395.1 3772895.1   377.1     4.50     0.93
4.88     YES
 L0002206         0   0.14740E-05  463397.1 3772895.1   377.1     4.50     0.93
4.88     YES
 L0002207         0   0.14740E-05  463399.1 3772895.2   377.2     4.50     0.93
4.88     YES
 L0002208         0   0.14740E-05  463401.1 3772895.3   377.2     4.50     0.93
4.88     YES
 L0002209         0   0.14740E-05  463403.1 3772895.3   377.3     4.50     0.93
4.88     YES
 L0002210         0   0.14740E-05  463405.1 3772895.4   377.3     4.50     0.93
4.88     YES
 L0002211         0   0.14740E-05  463407.1 3772895.4   377.4     4.50     0.93
4.88     YES
 L0002212         0   0.14740E-05  463409.1 3772895.5   377.4     4.50     0.93
```

L0002213	0	0.14740E-05	463411.1	3772895.5	377.5	4.50	0.93	4.88	YES
L0002214	0	0.14740E-05	463413.1	3772895.6	377.5	4.50	0.93	4.88	YES
L0002215	0	0.14740E-05	463415.1	3772895.6	377.6	4.50	0.93	4.88	YES
L0002216	0	0.14740E-05	463417.1	3772895.7	377.6	4.50	0.93	4.88	YES
L0002217	0	0.14740E-05	463419.1	3772895.8	377.7	4.50	0.93	4.88	YES
L0002218	0	0.14740E-05	463421.1	3772895.8	377.7	4.50	0.93	4.88	YES
L0002219	0	0.14740E-05	463423.1	3772895.9	377.8	4.50	0.93	4.88	YES
L0002220	0	0.14740E-05	463425.1	3772895.9	377.7	4.50	0.93	4.88	YES
L0002221	0	0.14740E-05	463427.1	3772896.0	377.7	4.50	0.93	4.88	YES
L0002222	0	0.14740E-05	463429.1	3772896.0	377.7	4.50	0.93	4.88	YES
L0002223	0	0.14740E-05	463431.1	3772896.1	377.7	4.50	0.93	4.88	YES
L0002224	0	0.14740E-05	463433.1	3772896.2	377.7	4.50	0.93	4.88	YES
L0002225	0	0.14740E-05	463435.1	3772896.2	377.6	4.50	0.93	4.88	YES
L0002226	0	0.14740E-05	463437.1	3772896.3	377.6	4.50	0.93	4.88	YES
L0002227	0	0.14740E-05	463439.1	3772896.3	377.6	4.50	0.93	4.88	YES
L0002228	0	0.14740E-05	463441.1	3772896.4	377.6	4.50	0.93	4.88	YES
L0002229	0	0.14740E-05	463443.1	3772896.4	377.6	4.50	0.93	4.88	YES
L0002230	0	0.14740E-05	463445.1	3772896.5	377.6	4.50	0.93	4.88	YES
L0002231	0	0.14740E-05	463447.1	3772896.6	377.5	4.50	0.93	4.88	YES
L0002232	0	0.14740E-05	463449.1	3772896.6	377.5	4.50	0.93	4.88	YES
L0002233	0	0.14740E-05	463451.1	3772896.7	377.5	4.50	0.93	4.88	YES
L0002234	0	0.14740E-05	463453.1	3772896.7	377.5	4.50	0.93	4.88	YES
L0002235	0	0.14740E-05	463455.1	3772896.8	377.4	4.50	0.93	4.88	YES
L0002236	0	0.14740E-05	463457.1	3772896.8	377.4	4.50	0.93		

4.88 YES
L0002237 0 0.14740E-05 463459.1 3772896.9 377.4 4.50 0.93
4.88 YES
L0002238 0 0.14740E-05 463461.1 3772896.9 377.4 4.50 0.93
4.88 YES
L0002239 0 0.14740E-05 463463.1 3772897.0 377.3 4.50 0.93
4.88 YES
L0002240 0 0.14740E-05 463465.1 3772897.1 377.3 4.50 0.93
4.88 YES
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0002251	0	0.14740E-05	463487.1	3772897.7	377.1	4.50	0.93	4.88	YES
L0002252	0	0.14740E-05	463489.1	3772897.7	377.1	4.50	0.93	4.88	YES
L0002253	0	0.14740E-05	463491.1	3772897.8	377.1	4.50	0.93	4.88	YES
L0002254	0	0.14740E-05	463493.1	3772897.9	377.1	4.50	0.93	4.88	YES
L0002255	0	0.14740E-05	463495.1	3772897.9	377.0	4.50	0.93	4.88	YES
L0002256	0	0.14740E-05	463497.1	3772898.0	377.0	4.50	0.93	4.88	YES
L0002257	0	0.14740E-05	463499.1	3772898.0	377.0	4.50	0.93	4.88	YES
L0002258	0	0.14740E-05	463501.1	3772898.1	377.0	4.50	0.93	4.88	YES
L0002259	0	0.14740E-05	463503.1	3772898.1	377.0	4.50	0.93	4.88	YES
L0002260	0	0.14740E-05	463505.1	3772898.2	377.0	4.50	0.93	4.88	YES
L0002261	0	0.14740E-05	463507.0	3772898.2	376.9	4.50	0.93	4.88	YES
L0002262	0	0.14740E-05	463509.0	3772898.3	376.9	4.50	0.93	4.88	YES
L0002263	0	0.14740E-05	463511.0	3772898.4	376.9	4.50	0.93	4.88	YES
L0002264	0	0.14740E-05	463513.0	3772898.4	376.9	4.50	0.93	4.88	YES
L0002265	0	0.14740E-05	463515.0	3772898.5	376.9	4.50	0.93	4.88	YES
L0002266	0	0.14740E-05	463517.0	3772898.5	376.9	4.50	0.93	4.88	YES
L0002267	0	0.14740E-05	463519.0	3772898.6	376.9	4.50	0.93	4.88	YES
L0002268	0	0.14740E-05	463521.0	3772898.6	376.8	4.50	0.93	4.88	YES
L0002269	0	0.14740E-05	463523.0	3772898.7	376.8	4.50	0.93	4.88	YES
L0002270	0	0.14740E-05	463525.0	3772898.8	376.8	4.50	0.93	4.88	YES
L0002271	0	0.14740E-05	463527.0	3772898.8	376.8	4.50	0.93	4.88	YES
L0002272	0	0.14740E-05	463529.0	3772898.9	376.8	4.50	0.93	4.88	YES
L0002273	0	0.14740E-05	463531.0	3772898.9	376.7	4.50	0.93	4.88	YES
L0002274	0	0.14740E-05	463533.0	3772899.0	376.7	4.50	0.93		

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4.88     YES
 L0002275         0   0.14740E-05  463535.0 3772899.0   376.7     4.50     0.93
4.88     YES
 L0002276         0   0.14740E-05  463537.0 3772899.1   376.7     4.50     0.93
4.88     YES
 L0002277         0   0.14740E-05  463539.0 3772899.2   376.7     4.50     0.93
4.88     YES
 L0002278         0   0.14740E-05  463541.0 3772899.2   376.6     4.50     0.93
4.88     YES
 L0002279         0   0.14740E-05  463543.0 3772899.3   376.6     4.50     0.93
4.88     YES
 L0002280         0   0.14740E-05  463545.0 3772899.3   376.6     4.50     0.93
4.88     YES
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                   *** VOLUME SOURCE DATA ***

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

 L0002281         0   0.14740E-05  463547.0 3772899.4   376.6     4.50     0.93
4.88     YES
 L0002282         0   0.14740E-05  463549.0 3772899.4   376.6     4.50     0.93
4.88     YES
 L0002283         0   0.14740E-05  463551.0 3772899.5   376.5     4.50     0.93
4.88     YES
 L0002284         0   0.14740E-05  463553.0 3772899.5   376.5     4.50     0.93
4.88     YES
 L0002285         0   0.14740E-05  463555.0 3772899.6   376.5     4.50     0.93
4.88     YES
 L0002286         0   0.14740E-05  463557.0 3772899.7   376.4     4.50     0.93
4.88     YES
 L0002287         0   0.14740E-05  463559.0 3772899.7   376.4     4.50     0.93
4.88     YES
 L0002288         0   0.14740E-05  463561.0 3772899.8   376.4     4.50     0.93
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4.88     YES
 L0002289         0   0.14740E-05  463563.0 3772899.8   376.4     4.50     0.93
4.88     YES
 L0002290         0   0.14740E-05  463565.0 3772899.9   376.3     4.50     0.93
4.88     YES
 L0002291         0   0.14740E-05  463567.0 3772899.9   376.3     4.50     0.93
4.88     YES
 L0002292         0   0.14740E-05  463569.0 3772900.0   376.3     4.50     0.93
4.88     YES
 L0002293         0   0.14740E-05  463571.0 3772900.1   376.2     4.50     0.93
4.88     YES
 L0002294         0   0.14740E-05  463573.0 3772900.1   376.2     4.50     0.93
4.88     YES
 L0002295         0   0.14740E-05  463575.0 3772900.2   376.2     4.50     0.93
4.88     YES
 L0002296         0   0.14740E-05  463577.0 3772900.2   376.1     4.50     0.93
4.88     YES
 L0002297         0   0.14740E-05  463579.0 3772900.3   376.1     4.50     0.93
4.88     YES
 L0002298         0   0.14740E-05  463581.0 3772900.3   376.1     4.50     0.93
4.88     YES
 L0002299         0   0.14740E-05  463583.0 3772900.4   376.1     4.50     0.93
4.88     YES
 L0002300         0   0.14740E-05  463585.0 3772900.5   376.1     4.50     0.93
4.88     YES
 L0002301         0   0.14740E-05  463587.0 3772900.5   376.1     4.50     0.93
4.88     YES
 L0002302         0   0.14740E-05  463589.0 3772900.6   376.1     4.50     0.93
4.88     YES
 L0002303         0   0.14740E-05  463591.0 3772900.6   376.0     4.50     0.93
4.88     YES
 L0002304         0   0.14740E-05  463593.0 3772900.7   376.0     4.50     0.93
4.88     YES
 L0002305         0   0.14740E-05  463595.0 3772900.7   376.0     4.50     0.93
4.88     YES
 L0002306         0   0.14740E-05  463597.0 3772900.8   376.0     4.50     0.93
4.88     YES
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       18:21:03
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***
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SRCGROUP ID	SOURCE IDs
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
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L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,

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L0000158    , L0000159    , L0000160    ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 SRCGROUP ID                                                SOURCE IDs
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L0000206    , L0000207    , L0000208    ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 ,
	L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 ,
	L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 ,
	L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
	L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
	L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
	L0000417 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 ,
	L0000425 , L0000426 , L0000427 , L0000428 , L0000429 ,

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*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0000705 , L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 , L0000712 ,
	L0000713 , L0000714 , L0000715 , L0000716 , L0000717 , L0000718 , L0000719 , L0000720 ,
	L0000721 , L0000722 , L0000723 , L0000724 , L0000725 , L0000726 , L0000727 , L0000728 ,
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L0000758    , L0000759    , L0000760    ,

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L0000798    , L0000799    , L0000800    ,
*** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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L0000814    , L0000815    , L0000816    ,

             L0000817    , L0000818    , L0000819    , L0000820    , L0000821    ,
L0000822    , L0000823    , L0000824    ,

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L0000910 , L0000911 , L0000912 ,

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L0000918 , L0000919 , L0000920 ,

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L0000926 , L0000927 , L0000928 ,

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L0000958 , L0000959 , L0000960 ,
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000961 , L0000962 , L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , L0000968 ,
	L0000969 , L0000970 , L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , L0000976 ,
	L0000977 , L0000978 , L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , L0000984 ,
	L0000985 , L0000986 , L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , L0000992 ,
	L0000993 , L0000994 , L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 ,
	L0001001 , L0001002 , L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 ,
	L0001009 , L0001010 , L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 ,
	L0001017 , L0001018 , L0001019 , L0001020 , L0001021 , L0001022 , L0001023 , L0001024 ,
	L0001025 , L0001026 , L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , L0001032 ,
	L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 ,
	L0001041 , L0001042 , L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 ,

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L0001062    , L0001063    , L0001064    ,

             L0001065    , L0001066    , L0001067    , L0001068    , L0001069    ,
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L0001110    , L0001111    , L0001112    ,

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L0001118    , L0001119    , L0001120    ,
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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             L0001121    , L0001122    , L0001123    , L0001124    , L0001125    ,
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L0001142    , L0001143    , L0001144    ,

L0001145    , L0001146    , L0001147    , L0001148    , L0001149    ,
L0001150    , L0001151    , L0001152    ,

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L0001190    , L0001191    , L0001192    ,

L0001193    , L0001194    , L0001195    , L0001196    , L0001197    ,
L0001198    , L0001199    , L0001200    ,

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L0001222    , L0001223    , L0001224    ,

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*** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0001441 , L0001442 , L0001443 , L0001444 , L0001445 ,
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 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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             L0001697    , L0001698    , L0001699    , L0001700    , L0001701    ,
L0001702    , L0001703    , L0001704    ,

             L0001705    , L0001706    , L0001707    , L0001708    , L0001709    ,
L0001710    , L0001711    , L0001712    ,

             L0001713    , L0001714    , L0001715    , L0001716    , L0001717    ,
L0001718    , L0001719    , L0001720    ,

             L0001721    , L0001722    , L0001723    , L0001724    , L0001725    ,
L0001726    , L0001727    , L0001728    ,

             L0001729    , L0001730    , L0001731    , L0001732    , L0001733    ,
L0001734    , L0001735    , L0001736    ,

             L0001737    , L0001738    , L0001739    , L0001740    , L0001741    ,
L0001742    , L0001743    , L0001744    ,

             L0001745    , L0001746    , L0001747    , L0001748    , L0001749    ,
L0001750    , L0001751    , L0001752    ,

             L0001753    , L0001754    , L0001755    , L0001756    , L0001757    ,
L0001758    , L0001759    , L0001760    ,
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0001761 , L0001762 , L0001763 , L0001764 , L0001765 ,
L0001766 , L0001767 , L0001768 ,

L0001769 , L0001770 , L0001771 , L0001772 , L0001773 ,
L0001774 , L0001775 , L0001776 ,

L0001777 , L0001778 , L0001779 , L0001780 , L0001781 ,
L0001782 , L0001783 , L0001784 ,

L0001785 , L0001786 , L0001787 , L0001788 , L0001789 ,
L0001790 , L0001791 , L0001792 ,

L0001793 , L0001794 , L0001795 , L0001796 , L0001797 ,
L0001798 , L0001799 , L0001800 ,

L0001801 , L0001802 , L0001803 , L0001804 , L0001805 ,
L0001806 , L0001807 , L0001808 ,

L0001809 , L0001810 , L0001811 , L0001812 , L0001813 ,
L0001814 , L0001815 , L0001816 ,

L0001817 , L0001818 , L0001819 , L0001820 , L0001821 ,
L0001822 , L0001823 , L0001824 ,

L0001825 , L0001826 , L0001827 , L0001828 , L0001829 ,
L0001830 , L0001831 , L0001832 ,

L0001833 , L0001834 , L0001835 , L0001836 , L0001837 ,
L0001838 , L0001839 , L0001840 ,

L0001841 , L0001842 , L0001843 , L0001844 , L0001845 ,
L0001846 , L0001847 , L0001848 ,

L0001849 , L0001850 , L0001851 , L0001852 , L0001853 ,
L0001854 , L0001855 , L0001856 ,

L0001857 , L0001858 , L0001859 , L0001860 , L0001861 ,
L0001862 , L0001863 , L0001864 ,

L0001865 , L0001866 , L0001867 , L0001868 , L0001869 ,
L0001870 , L0001871 , L0001872 ,

L0001873 , L0001874 , L0001875 , L0001876 , L0001877 ,
L0001878 , L0001879 , L0001880 ,

L0001881 , L0001882 , L0001883 , L0001884 , L0001885 ,

L0001886 , L0001887 , L0001888 ,

L0001889 , L0001890 , L0001891 , L0001892 , L0001893 ,
L0001894 , L0001895 , L0001896 ,

L0001897 , L0001898 , L0001899 , L0001900 , L0001901 ,
L0001902 , L0001903 , L0001904 ,

L0001905 , L0001906 , L0001907 , L0001908 , L0001909 ,
L0001910 , L0001911 , L0001912 ,

L0001913 , L0001914 , L0001915 , L0001916 , L0001917 ,
L0001918 , L0001919 , L0001920 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0001921 , L0001922 , L0001923 , L0001924 , L0001925 ,
L0001926 , L0001927 , L0001928 ,

L0001929 , L0001930 , L0001931 , L0001932 , L0001933 ,
L0001934 , L0001935 , L0001936 ,

L0001937 , L0001938 , L0001939 , L0001940 , L0001941 ,
L0001942 , L0001943 , L0001944 ,

L0001945 , L0001946 , L0001947 , L0001948 , L0001949 ,
L0001950 , L0001951 , L0001952 ,

L0001953 , L0001954 , L0001955 , L0001956 , L0001957 ,
L0001958 , L0001959 , L0001960 ,

L0001961 , L0001962 , L0001963 , L0001964 , L0001965 ,
L0001966 , L0001967 , L0001968 ,

L0001969 , L0001970 , L0001971 , L0001972 , L0001973 ,
L0001974 , L0001975 , L0001976 ,

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             L0001977    , L0001978    , L0001979    , L0001980    , L0001981    ,
L0001982    , L0001983    , L0001984    ,

             L0001985    , L0001986    , L0001987    , L0001988    , L0001989    ,
L0001990    , L0001991    , L0001992    ,

             L0001993    , L0001994    , L0001995    , L0001996    , L0001997    ,
L0001998    , L0001999    , L0002000    ,

             L0002001    , L0002002    , L0002003    , L0002004    , L0002005    ,
L0002006    , L0002007    , L0002008    ,

             L0002009    , L0002010    , L0002011    , L0002012    , L0002013    ,
L0002014    , L0002015    , L0002016    ,

             L0002017    , L0002018    , L0002019    , L0002020    , L0002021    ,
L0002022    , L0002023    , L0002024    ,

             L0002025    , L0002026    , L0002027    , L0002028    , L0002029    ,
L0002030    , L0002031    , L0002032    ,

             L0002033    , L0002034    , L0002035    , L0002036    , L0002037    ,
L0002038    , L0002039    , L0002040    ,

             L0002041    , L0002042    , L0002043    , L0002044    , L0002045    ,
L0002046    , L0002047    , L0002048    ,

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L0002054    , L0002055    , L0002056    ,

             L0002057    , L0002058    , L0002059    , L0002060    , L0002061    ,
L0002062    , L0002063    , L0002064    ,

             L0002065    , L0002066    , L0002067    , L0002068    , L0002069    ,
L0002070    , L0002071    , L0002072    ,

             L0002073    , L0002074    , L0002075    , L0002076    , L0002077    ,
L0002078    , L0002079    , L0002080    ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0002089 , L0002090 , L0002091 , L0002092 , L0002093 , L0002094 , L0002095 , L0002096 ,
	L0002097 , L0002098 , L0002099 , L0002100 , L0002101 , L0002102 , L0002103 , L0002104 ,
	L0002105 , L0002106 , L0002107 , L0002108 , L0002109 , L0002110 , L0002111 , L0002112 ,
	L0002113 , L0002114 , L0002115 , L0002116 , L0002117 , L0002118 , L0002119 , L0002120 ,
	L0002121 , L0002122 , L0002123 , L0002124 , L0002125 , L0002126 , L0002127 , L0002128 ,
	L0002129 , L0002130 , L0002131 , L0002132 , L0002133 , L0002134 , L0002135 , L0002136 ,
	L0002137 , L0002138 , L0002139 , L0002140 , L0002141 , L0002142 , L0002143 , L0002144 ,
	L0002145 , L0002146 , L0002147 , L0002148 , L0002149 , L0002150 , L0002151 , L0002152 ,
	L0002153 , L0002154 , L0002155 , L0002156 , L0002157 , L0002158 , L0002159 , L0002160 ,
	L0002161 , L0002162 , L0002163 , L0002164 , L0002165 , L0002166 , L0002167 , L0002168 ,
	L0002169 , L0002170 , L0002171 , L0002172 , L0002173 , L0002174 , L0002175 , L0002176 ,
	L0002177 , L0002178 , L0002179 , L0002180 , L0002181 , L0002182 , L0002183 , L0002184 ,
	L0002185 , L0002186 , L0002187 , L0002188 , L0002189 , L0002190 , L0002191 , L0002192 ,

L0002193 , L0002194 , L0002195 , L0002196 , L0002197 ,
L0002198 , L0002199 , L0002200 ,

L0002201 , L0002202 , L0002203 , L0002204 , L0002205 ,
L0002206 , L0002207 , L0002208 ,

L0002209 , L0002210 , L0002211 , L0002212 , L0002213 ,
L0002214 , L0002215 , L0002216 ,

L0002217 , L0002218 , L0002219 , L0002220 , L0002221 ,
L0002222 , L0002223 , L0002224 ,

L0002225 , L0002226 , L0002227 , L0002228 , L0002229 ,
L0002230 , L0002231 , L0002232 ,

L0002233 , L0002234 , L0002235 , L0002236 , L0002237 ,
L0002238 , L0002239 , L0002240 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0002241 , L0002242 , L0002243 , L0002244 , L0002245 , L0002246 , L0002247 , L0002248 ,
	L0002249 , L0002250 , L0002251 , L0002252 , L0002253 , L0002254 , L0002255 , L0002256 ,
	L0002257 , L0002258 , L0002259 , L0002260 , L0002261 , L0002262 , L0002263 , L0002264 ,
	L0002265 , L0002266 , L0002267 , L0002268 , L0002269 , L0002270 , L0002271 , L0002272 ,
	L0002273 , L0002274 , L0002275 , L0002276 , L0002277 , L0002278 , L0002279 , L0002280 ,
	L0002281 , L0002282 , L0002283 , L0002284 , L0002285 ,

L0002286 , L0002287 , L0002288 ,

L0002289 , L0002290 , L0002291 , L0002292 , L0002293 ,
L0002294 , L0002295 , L0002296 ,

L0002297 , L0002298 , L0002299 , L0002300 , L0002301 ,
L0002302 , L0002303 , L0002304 ,

L0002305 , L0002306 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2035210.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
		L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
		L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,

L0000062 , L0000063 , L0000064 ,

L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 ,

L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 ,

L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
L0000086 , L0000087 , L0000088 ,

L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
L0000094 , L0000095 , L0000096 ,

L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
L0000102 , L0000103 , L0000104 ,

L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 ,

L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
L0000118 , L0000119 , L0000120 ,

L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
L0000126 , L0000127 , L0000128 ,

L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
L0000134 , L0000135 , L0000136 ,

L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
L0000142 , L0000143 , L0000144 ,

L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 ,

L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
		L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,
		L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,
		L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
		L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
		L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
		L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
		L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,
		L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 ,
		L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 ,
		L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 ,
		L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 ,
		L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 ,
		L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 ,
		L0000273 , L0000274 , L0000275 , L0000276 , L0000277 ,

L0000278 , L0000279 , L0000280 ,

L0000281 , L0000282 , L0000283 , L0000284 , L0000285 ,
L0000286 , L0000287 , L0000288 ,

L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,
L0000294 , L0000295 , L0000296 ,

L0000297 , L0000298 , L0000299 , L0000300 , L0000301 ,
L0000302 , L0000303 , L0000304 ,

L0000305 , L0000306 , L0000307 , L0000308 , L0000309 ,
L0000310 , L0000311 , L0000312 ,

L0000313 , L0000314 , L0000315 , L0000316 , L0000317 ,
L0000318 , L0000319 , L0000320 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000321 , L0000322 , L0000323 , L0000324 , L0000325 ,
L0000326 , L0000327 , L0000328 ,

L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
L0000334 , L0000335 , L0000336 ,

L0000337 , L0000338 , L0000339 , L0000340 , L0000341 ,
L0000342 , L0000343 , L0000344 ,

L0000345 , L0000346 , L0000347 , L0000348 , L0000349 ,
L0000350 , L0000351 , L0000352 ,

L0000353 , L0000354 , L0000355 , L0000356 , L0000357 ,
L0000358 , L0000359 , L0000360 ,

L0000361 , L0000362 , L0000363 , L0000364 , L0000365 ,

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L0000366    , L0000367    , L0000368    ,

             L0000369    , L0000370    , L0000371    , L0000372    , L0000373    ,
L0000374    , L0000375    , L0000376    ,

             L0000377    , L0000378    , L0000379    , L0000380    , L0000381    ,
L0000382    , L0000383    , L0000384    ,

             L0000385    , L0000386    , L0000387    , L0000388    , L0000389    ,
L0000390    , L0000391    , L0000392    ,

             L0000393    , L0000394    , L0000395    , L0000396    , L0000397    ,
L0000398    , L0000399    , L0000400    ,

             L0000401    , L0000402    , L0000403    , L0000404    , L0000405    ,
L0000406    , L0000407    , L0000408    ,

             L0000409    , L0000410    , L0000411    , L0000412    , L0000413    ,
L0000414    , L0000415    , L0000416    ,

             L0000417    , L0000418    , L0000419    , L0000420    , L0000421    ,
L0000422    , L0000423    , L0000424    ,

             L0000425    , L0000426    , L0000427    , L0000428    , L0000429    ,
L0000430    , L0000431    , L0000432    ,

             L0000433    , L0000434    , L0000435    , L0000436    , L0000437    ,
L0000438    , L0000439    , L0000440    ,

             L0000441    , L0000442    , L0000443    , L0000444    , L0000445    ,
L0000446    , L0000447    , L0000448    ,

             L0000449    , L0000450    , L0000451    , L0000452    , L0000453    ,
L0000454    , L0000455    , L0000456    ,

             L0000457    , L0000458    , L0000459    , L0000460    , L0000461    ,
L0000462    , L0000463    , L0000464    ,

             L0000465    , L0000466    , L0000467    , L0000468    , L0000469    ,
L0000470    , L0000471    , L0000472    ,

             L0000473    , L0000474    , L0000475    , L0000476    , L0000477    ,
L0000478    , L0000479    , L0000480    ,
*** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 ,
		L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 ,
		L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000504 ,
		L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 ,
		L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 ,
		L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 ,
		L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 ,
		L0000537 , L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 ,
		L0000545 , L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 ,
		L0000553 , L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 ,
		L0000561 , L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , L0000567 , L0000568 ,
		L0000569 , L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , L0000575 , L0000576 ,
		L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,

L0000582 , L0000583 , L0000584 ,

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L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
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L0000614 , L0000615 , L0000616 ,

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L0000622 , L0000623 , L0000624 ,

L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
L0000630 , L0000631 , L0000632 ,

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L0000638 , L0000639 , L0000640 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,
L0000646 , L0000647 , L0000648 ,

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L0000654 , L0000655 , L0000656 ,

L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,
L0000662 , L0000663 , L0000664 ,

L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,

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L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,
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L0000702 , L0000703 , L0000704 ,

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L0000710 , L0000711 , L0000712 ,

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L0000782 , L0000783 , L0000784 ,

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L0000790 , L0000791 , L0000792 ,

L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,

L0000798 , L0000799 , L0000800 ,
↑ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000801 , L0000802 , L0000803 , L0000804 , L0000805 , L0000806 , L0000807 , L0000808 ,

L0000809 , L0000810 , L0000811 , L0000812 , L0000813 , L0000814 , L0000815 , L0000816 ,

L0000817 , L0000818 , L0000819 , L0000820 , L0000821 , L0000822 , L0000823 , L0000824 ,

L0000825 , L0000826 , L0000827 , L0000828 , L0000829 , L0000830 , L0000831 , L0000832 ,

L0000833 , L0000834 , L0000835 , L0000836 , L0000837 , L0000838 , L0000839 , L0000840 ,

L0000841 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 , L0000847 , L0000848 ,

L0000849 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 , L0000855 , L0000856 ,

L0000857 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 , L0000863 , L0000864 ,

L0000865 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 , L0000871 , L0000872 ,

L0000873 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 , L0000879 , L0000880 ,

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L0000886 , L0000887 , L0000888 ,

L0000889 , L0000890 , L0000891 , L0000892 , L0000893 ,
L0000894 , L0000895 , L0000896 ,

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L0000902 , L0000903 , L0000904 ,

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L0000910 , L0000911 , L0000912 ,

L0000913 , L0000914 , L0000915 , L0000916 , L0000917 ,
L0000918 , L0000919 , L0000920 ,

L0000921 , L0000922 , L0000923 , L0000924 , L0000925 ,
L0000926 , L0000927 , L0000928 ,

L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
L0000934 , L0000935 , L0000936 ,

L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
L0000942 , L0000943 , L0000944 ,

L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
L0000950 , L0000951 , L0000952 ,

L0000953 , L0000954 , L0000955 , L0000956 , L0000957 ,
L0000958 , L0000959 , L0000960 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000961 , L0000962 , L0000963 , L0000964 , L0000965 ,
L0000966 , L0000967 , L0000968 ,

L0000969 , L0000970 , L0000971 , L0000972 , L0000973 ,

L0000974 , L0000975 , L0000976 ,

L0000977 , L0000978 , L0000979 , L0000980 , L0000981 ,
L0000982 , L0000983 , L0000984 ,

L0000985 , L0000986 , L0000987 , L0000988 , L0000989 ,
L0000990 , L0000991 , L0000992 ,

L0000993 , L0000994 , L0000995 , L0000996 , L0000997 ,
L0000998 , L0000999 , L0001000 ,

L0001001 , L0001002 , L0001003 , L0001004 , L0001005 ,
L0001006 , L0001007 , L0001008 ,

L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,
L0001014 , L0001015 , L0001016 ,

L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
L0001022 , L0001023 , L0001024 ,

L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
L0001030 , L0001031 , L0001032 ,

L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
L0001038 , L0001039 , L0001040 ,

L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,
L0001046 , L0001047 , L0001048 ,

L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
L0001054 , L0001055 , L0001056 ,

L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
L0001062 , L0001063 , L0001064 ,

L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
L0001070 , L0001071 , L0001072 ,

L0001073 , L0001074 , L0001075 , L0001076 , L0001077 ,
L0001078 , L0001079 , L0001080 ,

L0001081 , L0001082 , L0001083 , L0001084 , L0001085 ,
L0001086 , L0001087 , L0001088 ,

L0001089 , L0001090 , L0001091 , L0001092 , L0001093 ,
L0001094 , L0001095 , L0001096 ,

L0001097 , L0001098 , L0001099 , L0001100 , L0001101 ,

L0001102 , L0001103 , L0001104 ,

L0001105 , L0001106 , L0001107 , L0001108 , L0001109 ,
L0001110 , L0001111 , L0001112 ,

L0001113 , L0001114 , L0001115 , L0001116 , L0001117 ,
L0001118 , L0001119 , L0001120 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement *** 05/08/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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 , L0001159 , L0001160 ,

L0001161 , L0001162 , L0001163 , L0001164 , L0001165 ,
L0001166 , L0001167 , L0001168 ,

L0001169 , L0001170 , L0001171 , L0001172 , L0001173 ,
L0001174 , L0001175 , L0001176 ,

L0001177 , L0001178 , L0001179 , L0001180 , L0001181 ,
L0001182 , L0001183 , L0001184 ,

L0001185 , L0001186 , L0001187 , L0001188 , L0001189 ,

L0001190 , L0001191 , L0001192 ,

L0001193 , L0001194 , L0001195 , L0001196 , L0001197 ,
L0001198 , L0001199 , L0001200 ,

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L0001206 , L0001207 , L0001208 ,

L0001209 , L0001210 , L0001211 , L0001212 , L0001213 ,
L0001214 , L0001215 , L0001216 ,

L0001217 , L0001218 , L0001219 , L0001220 , L0001221 ,
L0001222 , L0001223 , L0001224 ,

L0001225 , L0001226 , L0001227 , L0001228 , L0001229 ,
L0001230 , L0001231 , L0001232 ,

L0001233 , L0001234 , L0001235 , L0001236 , L0001237 ,
L0001238 , L0001239 , L0001240 ,

L0001241 , L0001242 , L0001243 , L0001244 , L0001245 ,
L0001246 , L0001247 , L0001248 ,

L0001249 , L0001250 , L0001251 , L0001252 , L0001253 ,
L0001254 , L0001255 , L0001256 ,

L0001257 , L0001258 , L0001259 , L0001260 , L0001261 ,
L0001262 , L0001263 , L0001264 ,

L0001265 , L0001266 , L0001267 , L0001268 , L0001269 ,
L0001270 , L0001271 , L0001272 ,

L0001273 , L0001274 , L0001275 , L0001276 , L0001277 ,
L0001278 , L0001279 , L0001280 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0001281 , L0001282 , L0001283 , L0001284 , L0001285 ,
L0001286 , L0001287 , L0001288 ,

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L0001294 , L0001295 , L0001296 ,

L0001297 , L0001298 , L0001299 , L0001300 , L0001301 ,
L0001302 , L0001303 , L0001304 ,

L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
L0001310 , L0001311 , L0001312 ,

L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
L0001318 , L0001319 , L0001320 ,

L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,
L0001326 , L0001327 , L0001328 ,

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L0001334 , L0001335 , L0001336 ,

L0001337 , L0001338 , L0001339 , L0001340 , L0001341 ,
L0001342 , L0001343 , L0001344 ,

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L0001350 , L0001351 , L0001352 ,

L0001353 , L0001354 , L0001355 , L0001356 , L0001357 ,
L0001358 , L0001359 , L0001360 ,

L0001361 , L0001362 , L0001363 , L0001364 , L0001365 ,
L0001366 , L0001367 , L0001368 ,

L0001369 , L0001370 , L0001371 , L0001372 , L0001373 ,
L0001374 , L0001375 , L0001376 ,

L0001377 , L0001378 , L0001379 , L0001380 , L0001381 ,
L0001382 , L0001383 , L0001384 ,

L0001385 , L0001386 , L0001387 , L0001388 , L0001389 ,
L0001390 , L0001391 , L0001392 ,

L0001393 , L0001394 , L0001395 , L0001396 , L0001397 ,
L0001398 , L0001399 , L0001400 ,

L0001401 , L0001402 , L0001403 , L0001404 , L0001405 ,

L0001406 , L0001407 , L0001408 ,

L0001409 , L0001410 , L0001411 , L0001412 , L0001413 ,
L0001414 , L0001415 , L0001416 ,

L0001417 , L0001418 , L0001419 , L0001420 , L0001421 ,
L0001422 , L0001423 , L0001424 ,

L0001425 , L0001426 , L0001427 , L0001428 , L0001429 ,
L0001430 , L0001431 , L0001432 ,

L0001433 , L0001434 , L0001435 , L0001436 , L0001437 ,
L0001438 , L0001439 , L0001440 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0001441 , L0001442 , L0001443 , L0001444 , L0001445 ,
L0001446 , L0001447 , L0001448 ,

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L0001454 , L0001455 , L0001456 ,

L0001457 , L0001458 , L0001459 , L0001460 , L0001461 ,
L0001462 , L0001463 , L0001464 ,

L0001465 , L0001466 , L0001467 , L0001468 , L0001469 ,
L0001470 , L0001471 , L0001472 ,

L0001473 , L0001474 , L0001475 , L0001476 , L0001477 ,
L0001478 , L0001479 , L0001480 ,

L0001481 , L0001482 , L0001483 , L0001484 , L0001485 ,
L0001486 , L0001487 , L0001488 ,

L0001489 , L0001490 , L0001491 , L0001492 , L0001493 ,

L0001494 , L0001495 , L0001496 ,

L0001497 , L0001498 , L0001499 , L0001500 , L0001501 ,
L0001502 , L0001503 , L0001504 ,

L0001505 , L0001506 , L0001507 , L0001508 , L0001509 ,
L0001510 , L0001511 , L0001512 ,

L0001513 , L0001514 , L0001515 , L0001516 , L0001517 ,
L0001518 , L0001519 , L0001520 ,

L0001521 , L0001522 , L0001523 , L0001524 , L0001525 ,
L0001526 , L0001527 , L0001528 ,

L0001529 , L0001530 , L0001531 , L0001532 , L0001533 ,
L0001534 , L0001535 , L0001536 ,

L0001537 , L0001538 , L0001539 , L0001540 , L0001541 ,
L0001542 , L0001543 , L0001544 ,

L0001545 , L0001546 , L0001547 , L0001548 , L0001549 ,
L0001550 , L0001551 , L0001552 ,

L0001553 , L0001554 , L0001555 , L0001556 , L0001557 ,
L0001558 , L0001559 , L0001560 ,

L0001561 , L0001562 , L0001563 , L0001564 , L0001565 ,
L0001566 , L0001567 , L0001568 ,

L0001569 , L0001570 , L0001571 , L0001572 , L0001573 ,
L0001574 , L0001575 , L0001576 ,

L0001577 , L0001578 , L0001579 , L0001580 , L0001581 ,
L0001582 , L0001583 , L0001584 ,

L0001585 , L0001586 , L0001587 , L0001588 , L0001589 ,
L0001590 , L0001591 , L0001592 ,

L0001593 , L0001594 , L0001595 , L0001596 , L0001597 ,
L0001598 , L0001599 , L0001600 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0001601 , L0001602 , L0001603 , L0001604 , L0001605 , L0001606 , L0001607 , L0001608 ,
		L0001609 , L0001610 , L0001611 , L0001612 , L0001613 , L0001614 , L0001615 , L0001616 ,
		L0001617 , L0001618 , L0001619 , L0001620 , L0001621 , L0001622 , L0001623 , L0001624 ,
		L0001625 , L0001626 , L0001627 , L0001628 , L0001629 , L0001630 , L0001631 , L0001632 ,
		L0001633 , L0001634 , L0001635 , L0001636 , L0001637 , L0001638 , L0001639 , L0001640 ,
		L0001641 , L0001642 , L0001643 , L0001644 , L0001645 , L0001646 , L0001647 , L0001648 ,
		L0001649 , L0001650 , L0001651 , L0001652 , L0001653 , L0001654 , L0001655 , L0001656 ,
		L0001657 , L0001658 , L0001659 , L0001660 , L0001661 , L0001662 , L0001663 , L0001664 ,
		L0001665 , L0001666 , L0001667 , L0001668 , L0001669 , L0001670 , L0001671 , L0001672 ,
		L0001673 , L0001674 , L0001675 , L0001676 , L0001677 , L0001678 , L0001679 , L0001680 ,
		L0001681 , L0001682 , L0001683 , L0001684 , L0001685 , L0001686 , L0001687 , L0001688 ,
		L0001689 , L0001690 , L0001691 , L0001692 , L0001693 , L0001694 , L0001695 , L0001696 ,
		L0001697 , L0001698 , L0001699 , L0001700 , L0001701 , L0001702 , L0001703 , L0001704 ,
		L0001705 , L0001706 , L0001707 , L0001708 , L0001709 ,

L0001710 , L0001711 , L0001712 ,

L0001713 , L0001714 , L0001715 , L0001716 , L0001717 ,
L0001718 , L0001719 , L0001720 ,

L0001721 , L0001722 , L0001723 , L0001724 , L0001725 ,
L0001726 , L0001727 , L0001728 ,

L0001729 , L0001730 , L0001731 , L0001732 , L0001733 ,
L0001734 , L0001735 , L0001736 ,

L0001737 , L0001738 , L0001739 , L0001740 , L0001741 ,
L0001742 , L0001743 , L0001744 ,

L0001745 , L0001746 , L0001747 , L0001748 , L0001749 ,
L0001750 , L0001751 , L0001752 ,

L0001753 , L0001754 , L0001755 , L0001756 , L0001757 ,
L0001758 , L0001759 , L0001760 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0001761 , L0001762 , L0001763 , L0001764 , L0001765 ,
L0001766 , L0001767 , L0001768 ,

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L0001774 , L0001775 , L0001776 ,

L0001777 , L0001778 , L0001779 , L0001780 , L0001781 ,
L0001782 , L0001783 , L0001784 ,

L0001785 , L0001786 , L0001787 , L0001788 , L0001789 ,
L0001790 , L0001791 , L0001792 ,

L0001793 , L0001794 , L0001795 , L0001796 , L0001797 ,

L0001798 , L0001799 , L0001800 ,

L0001801 , L0001802 , L0001803 , L0001804 , L0001805 ,
L0001806 , L0001807 , L0001808 ,

L0001809 , L0001810 , L0001811 , L0001812 , L0001813 ,
L0001814 , L0001815 , L0001816 ,

L0001817 , L0001818 , L0001819 , L0001820 , L0001821 ,
L0001822 , L0001823 , L0001824 ,

L0001825 , L0001826 , L0001827 , L0001828 , L0001829 ,
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L0001854 , L0001855 , L0001856 ,

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L0001862 , L0001863 , L0001864 ,

L0001865 , L0001866 , L0001867 , L0001868 , L0001869 ,
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L0001889 , L0001890 , L0001891 , L0001892 , L0001893 ,
L0001894 , L0001895 , L0001896 ,

L0001897 , L0001898 , L0001899 , L0001900 , L0001901 ,
L0001902 , L0001903 , L0001904 ,

L0001905 , L0001906 , L0001907 , L0001908 , L0001909 ,
L0001910 , L0001911 , L0001912 ,

L0001913 , L0001914 , L0001915 , L0001916 , L0001917 ,
L0001918 , L0001919 , L0001920 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
		L0001921 , L0001922 , L0001923 , L0001924 , L0001925 , L0001926 , L0001927 , L0001928 ,
		L0001929 , L0001930 , L0001931 , L0001932 , L0001933 , L0001934 , L0001935 , L0001936 ,
		L0001937 , L0001938 , L0001939 , L0001940 , L0001941 , L0001942 , L0001943 , L0001944 ,
		L0001945 , L0001946 , L0001947 , L0001948 , L0001949 , L0001950 , L0001951 , L0001952 ,
		L0001953 , L0001954 , L0001955 , L0001956 , L0001957 , L0001958 , L0001959 , L0001960 ,
		L0001961 , L0001962 , L0001963 , L0001964 , L0001965 , L0001966 , L0001967 , L0001968 ,
		L0001969 , L0001970 , L0001971 , L0001972 , L0001973 , L0001974 , L0001975 , L0001976 ,
		L0001977 , L0001978 , L0001979 , L0001980 , L0001981 , L0001982 , L0001983 , L0001984 ,
		L0001985 , L0001986 , L0001987 , L0001988 , L0001989 , L0001990 , L0001991 , L0001992 ,
		L0001993 , L0001994 , L0001995 , L0001996 , L0001997 , L0001998 , L0001999 , L0002000 ,
		L0002001 , L0002002 , L0002003 , L0002004 , L0002005 , L0002006 , L0002007 , L0002008 ,
		L0002009 , L0002010 , L0002011 , L0002012 , L0002013 ,

L0002014 , L0002015 , L0002016 ,

L0002017 , L0002018 , L0002019 , L0002020 , L0002021 ,
L0002022 , L0002023 , L0002024 ,

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L0002030 , L0002031 , L0002032 ,

L0002033 , L0002034 , L0002035 , L0002036 , L0002037 ,
L0002038 , L0002039 , L0002040 ,

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L0002049 , L0002050 , L0002051 , L0002052 , L0002053 ,
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L0002065 , L0002066 , L0002067 , L0002068 , L0002069 ,
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L0002073 , L0002074 , L0002075 , L0002076 , L0002077 ,
L0002078 , L0002079 , L0002080 ,
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0002081 , L0002082 , L0002083 , L0002084 , L0002085 ,
L0002086 , L0002087 , L0002088 ,

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L0002094 , L0002095 , L0002096 ,

L0002097 , L0002098 , L0002099 , L0002100 , L0002101 ,

L0002102 , L0002103 , L0002104 ,

L0002105 , L0002106 , L0002107 , L0002108 , L0002109 ,
L0002110 , L0002111 , L0002112 ,

L0002113 , L0002114 , L0002115 , L0002116 , L0002117 ,
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L0002174 , L0002175 , L0002176 ,

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L0002182 , L0002183 , L0002184 ,

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L0002190 , L0002191 , L0002192 ,

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L0002206 , L0002207 , L0002208 ,

L0002209 , L0002210 , L0002211 , L0002212 , L0002213 ,
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L0002217 , L0002218 , L0002219 , L0002220 , L0002221 ,
L0002222 , L0002223 , L0002224 ,

L0002225 , L0002226 , L0002227 , L0002228 , L0002229 ,

L0002230 , L0002231 , L0002232 ,

L0002233 , L0002234 , L0002235 , L0002236 , L0002237 ,
L0002238 , L0002239 , L0002240 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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L0002246 , L0002247 , L0002248 ,

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L0002302 , L0002303 , L0002304 ,

L0002305 , L0002306 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(460630.2, 3773063.9, 388.3, 388.3, 0.0); (460645.2, 3773063.9, 387.7, 387.7, 0.0);
(460660.2, 3773063.9, 386.9, 386.9, 0.0); (460675.2, 3773063.9, 385.8, 385.8, 0.0);
(460690.2, 3773063.9, 385.2, 385.2, 0.0); (460630.2, 3773078.9, 388.7, 388.7, 0.0);
(460645.2, 3773078.9, 388.1, 388.1, 0.0); (460660.2, 3773078.9, 387.3, 387.3, 0.0);
(460675.2, 3773078.9, 386.1, 386.1, 0.0); (460690.2, 3773078.9, 385.5, 385.5, 0.0);
(460630.2, 3773093.9, 389.1, 389.1, 0.0); (460645.2, 3773093.9, 388.5, 388.5, 0.0);
(460660.2, 3773093.9, 387.7, 387.7, 0.0); (460675.2, 3773093.9, 386.5, 386.5, 0.0);
(460690.2, 3773093.9, 385.8, 385.8, 0.0); (460630.2, 3773108.9, 389.4, 389.4, 0.0);
(460645.2, 3773108.9, 388.9, 388.9, 0.0); (460660.2, 3773108.9, 388.3, 388.3, 0.0);
(460675.2, 3773108.9, 387.2, 387.2, 0.0); (460690.2, 3773108.9, 386.6, 386.6, 0.0);
(460630.2, 3773123.9, 389.7, 389.7, 0.0); (460645.2, 3773123.9, 389.4, 389.4, 0.0);
(460660.2, 3773123.9, 388.9, 388.9, 0.0); (460675.2, 3773123.9, 388.0, 388.0, 0.0);
(460690.2, 3773123.9, 387.4, 387.4, 0.0); (460630.2, 3773138.9, 390.0, 390.0, 0.0);
(460645.2, 3773138.9, 389.7, 389.7, 0.0); (460660.2, 3773138.9, 389.3, 389.3, 0.0);
(460675.2, 3773138.9, 388.8, 388.8, 0.0); (460690.2, 3773138.9, 388.3, 388.3, 0.0);
(460705.2, 3773138.9, 387.8, 387.8, 0.0); (460720.2, 3773138.9, 387.1, 387.1, 0.0);
(460630.2, 3773153.9, 390.2, 390.2, 0.0); (460645.2, 3773153.9, 390.0, 390.0, 0.0);
(460660.2, 3773153.9, 389.8, 389.8, 0.0); (460675.2, 3773153.9, 389.5, 389.5, 0.0);
(460690.2, 3773153.9, 389.2, 389.2, 0.0); (460705.2, 3773153.9, 388.8, 388.8, 0.0);
(460720.2, 3773153.9, 387.7, 387.7, 0.0); (460630.2,

3773168.9, 390.3, 390.3, 0.0);
(460645.2, 3773168.9, 390.2, 390.2, 0.0); (460660.2, 3773168.9, 390.0, 390.0, 0.0);
(460675.2, 3773168.9, 389.9, 389.9, 0.0); (460690.2, 3773168.9, 389.5, 389.5, 0.0);
(460705.2, 3773168.9, 389.1, 389.1, 0.0); (460720.2, 3773168.9, 388.1, 388.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: FONT_V9_ADJU\FONT_v9.SFC
Met Version: 16216
Profile file: FONT_V9_ADJU\FONT_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82						

```
0.22    2.20   58.    9.1  282.0    5.5
 11 01 01   1 12  206.0  0.320  1.940  0.008 1244.  435.    -14.0  0.25   2.82
0.21    2.20  115.    9.1  283.1    5.5
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5  0.25   2.82
0.21    1.30  147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0  0.25   2.82
0.23    1.30  219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6  0.25   2.82
0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82
0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82
0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82
1.00    3.10   81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82
1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82
1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


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

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
```

, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
460630.18	3773063.94	0.00919	460645.18	3773063.94	0.00885
460660.18	3773063.94	0.00936	460675.18	3773063.94	0.00950
460690.18	3773063.94	0.00954	460630.18	3773078.94	0.00874
460645.18	3773078.94	0.00846	460660.18	3773078.94	0.00857
460675.18	3773078.94	0.00904	460690.18	3773078.94	0.00906
460630.18	3773093.94	0.00831	460645.18	3773093.94	0.00837
460660.18	3773093.94	0.00806	460675.18	3773093.94	0.00858
460690.18	3773093.94	0.00864	460630.18	3773108.94	0.00792
460645.18	3773108.94	0.00798	460660.18	3773108.94	0.00798
460675.18	3773108.94	0.00790	460690.18	3773108.94	0.00822
460630.18	3773123.94	0.00755	460645.18	3773123.94	0.00761
460660.18	3773123.94	0.00766	460675.18	3773123.94	0.00742
460690.18	3773123.94	0.00748	460630.18	3773138.94	0.00723
460645.18	3773138.94	0.00727	460660.18	3773138.94	0.00732
460675.18	3773138.94	0.00737	460690.18	3773138.94	0.00736
460705.18	3773138.94	0.00714	460720.18	3773138.94	0.00735

```
         460630.18    3773153.94        0.00693                      460645.18
3773153.94        0.00696
         460660.18    3773153.94        0.00699                      460675.18
3773153.94        0.00703
         460690.18    3773153.94        0.00707                      460705.18
3773153.94        0.00710
         460720.18    3773153.94        0.00688                      460630.18
3773168.94        0.00665
         460645.18    3773168.94        0.00668                      460660.18
3773168.94        0.00670
         460675.18    3773168.94        0.00673                      460690.18
3773168.94        0.00677
         460705.18    3773168.94        0.00681                      460720.18
3773168.94        0.00665
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        460630.18   3773063.94        0.02580  (15031421)                460645.18
3773063.94        0.02633  (15031421)
        460660.18   3773063.94        0.02542  (12101602)                460675.18
3773063.94        0.02505  (13071606)
        460690.18   3773063.94        0.02510  (13071606)                460630.18
```

3773078.94 0.02514 (12091322)
460645.18 3773078.94 0.02545 (15031421) 460660.18
3773078.94 0.02381 (13071606)
460675.18 3773078.94 0.02388 (13071606) 460690.18
3773078.94 0.02392 (13071606)
460630.18 3773093.94 0.02455 (12091322) 460645.18
3773093.94 0.02406 (15031421)
460660.18 3773093.94 0.02446 (15031421) 460675.18
3773093.94 0.02333 (12101602)
460690.18 3773093.94 0.02285 (13071606) 460630.18
3773108.94 0.02395 (12091322)
460645.18 3773108.94 0.02355 (12091322) 460660.18
3773108.94 0.02325 (15031421)
460675.18 3773108.94 0.02242 (11082205) 460690.18
3773108.94 0.02288 (12101602)
460630.18 3773123.94 0.02333 (12091322) 460645.18
3773123.94 0.02308 (12091322)
460660.18 3773123.94 0.02270 (12091322) 460675.18
3773123.94 0.02294 (15031421)
460690.18 3773123.94 0.02162 (15031421) 460630.18
3773138.94 0.02265 (12091322)
460645.18 3773138.94 0.02248 (12091322) 460660.18
3773138.94 0.02226 (12091322)
460675.18 3773138.94 0.02195 (15031421) 460690.18
3773138.94 0.02181 (15031421)
460705.18 3773138.94 0.02217 (15031421) 460720.18
3773138.94 0.02191 (15031421)
460630.18 3773153.94 0.02201 (12070903) 460645.18
3773153.94 0.02191 (12070903)
460660.18 3773153.94 0.02180 (12070903) 460675.18
3773153.94 0.02166 (12070903)
460690.18 3773153.94 0.02147 (15031421) 460705.18
3773153.94 0.02130 (15031421)
460720.18 3773153.94 0.02144 (15031421) 460630.18
3773168.94 0.02145 (12112420)
460645.18 3773168.94 0.02141 (12112420) 460660.18
3773168.94 0.02134 (12112420)
460675.18 3773168.94 0.02126 (12112420) 460690.18
3773168.94 0.02108 (12112420)
460705.18 3773168.94 0.02081 (15031421) 460720.18
3773168.94 0.02086 (15031421)
*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\Palmetto Replacement Site\Palmetto Replacement *** 05/08/20
*** AERMET - VERSION 16216 *** ***
*** 18:21:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
460630.18	3773063.94	0.01607m (13112024)	460645.18	3773063.94	0.01515m (13112024)
460660.18	3773063.94	0.01590m (13112024)	460675.18	3773063.94	0.01597m (13112024)
460690.18	3773063.94	0.01602m (13112024)	460630.18	3773078.94	0.01536m (13112024)
460645.18	3773078.94	0.01460m (13112024)	460660.18	3773078.94	0.01469m (13112024)
460675.18	3773078.94	0.01525m (13112024)	460690.18	3773078.94	0.01524m (13112024)
460630.18	3773093.94	0.01467m (13112024)	460645.18	3773093.94	0.01471m (13112024)
460660.18	3773093.94	0.01389m (13112024)	460675.18	3773093.94	0.01456m (13112024)
460690.18	3773093.94	0.01457m (13112024)	460630.18	3773108.94	0.01401m (13112024)
460645.18	3773108.94	0.01407m (13112024)	460660.18	3773108.94	0.01400m (13112024)
460675.18	3773108.94	0.01364m (13112024)	460690.18	3773108.94	0.01398m (13112024)
460630.18	3773123.94	0.01341m (13112024)	460645.18	3773123.94	0.01347m (13112024)
460660.18	3773123.94	0.01352m (13112024)	460675.18	3773123.94	0.01291m (13112024)
460690.18	3773123.94	0.01291m (13112024)	460630.18	3773138.94	0.01285m (13112024)

```
        460645.18   3773138.94        0.01290m (13112024)                460660.18
3773138.94        0.01296m (13112024)
        460675.18   3773138.94        0.01301m (13112024)                460690.18
3773138.94        0.01295m (13112024)
        460705.18   3773138.94        0.01240m (13112024)                460720.18
3773138.94        0.01268m (13112024)
        460630.18   3773153.94        0.01234m (13112024)                460645.18
3773153.94        0.01238m (13112024)
        460660.18   3773153.94        0.01242m (13112024)                460675.18
3773153.94        0.01247m (13112024)
        460690.18   3773153.94        0.01252m (13112024)                460705.18
3773153.94        0.01255m (13112024)
        460720.18   3773153.94        0.01195m (13112024)                460630.18
3773168.94        0.01186m (13112024)
        460645.18   3773168.94        0.01189m (13112024)                460660.18
3773168.94        0.01193m (13112024)
        460675.18   3773168.94        0.01197m (13112024)                460690.18
3773168.94        0.01202m (13112024)
        460705.18   3773168.94        0.01207m (13112024)                460720.18
3773168.94        0.01165m (13112024)
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   5 YEARS ***


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


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

ALL       1ST HIGHEST VALUE IS       0.00954 AT (  460690.18,  3773063.94,   385.19,
  385.19,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00950 AT (  460675.18,  3773063.94,   385.75,
  385.75,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00936 AT (  460660.18,  3773063.94,   386.94,
  386.94,    0.00)  DC
```

```
        4TH HIGHEST VALUE IS       0.00919 AT (  460630.18,  3773063.94,   388.31,
 388.31,    0.00)  DC
        5TH HIGHEST VALUE IS       0.00906 AT (  460690.18,  3773078.94,   385.48,
 385.48,    0.00)  DC
        6TH HIGHEST VALUE IS       0.00904 AT (  460675.18,  3773078.94,   386.11,
 386.11,    0.00)  DC
        7TH HIGHEST VALUE IS       0.00885 AT (  460645.18,  3773063.94,   387.71,
 387.71,    0.00)  DC
        8TH HIGHEST VALUE IS       0.00874 AT (  460630.18,  3773078.94,   388.69,
 388.69,    0.00)  DC
        9TH HIGHEST VALUE IS       0.00864 AT (  460690.18,  3773093.94,   385.78,
 385.78,    0.00)  DC
       10TH HIGHEST VALUE IS       0.00858 AT (  460675.18,  3773093.94,   386.46,
 386.46,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        18:21:03

                                  PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

ALL      HIGH   1ST HIGH VALUE IS       0.02633  ON 15031421: AT (  460645.18,
3773063.94,   387.71,   387.71,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
```

```
                     DC = DISCCART
                     DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

                                 PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

ALL      HIGH   1ST HIGH VALUE IS       0.01607m ON 13112024: AT (  460630.18,
3773063.94,   388.31,   388.31,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Palmetto Replacement
Site\Palmetto Replacement  ***        05/08/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        18:21:03

                                 PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)
```

```
 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    4691       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    4691       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
 12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
 12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
 15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

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