Shinohara Industrial Center Project

Air Quality, Greenhouse Gas, and Health Risk Impact Study

City of Chula Vista, CA

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Date: 5/17/2022

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GLOSSARY OF TERMS

CAAQS	California Ambient Air Quality Standards
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CH_4	Methane
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
GHG	Greenhouse gas
HFCs	Hydrofluorocarbons
$MTCO_2e$	Metric tons of carbon dioxide equivalent
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
NO_2	Nitrogen dioxide
N_2O	Nitrous oxide
O_3	Ozone
PFCs	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PMI	Point of maximum impact
PPM	Parts per million
PPB	Parts per billion
RAQS	San Diego Regional Air Quality Strategy
RTIP	Regional Transportation Improvement Plan
RTP	Regional Transportation Plan
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SF_6	Sulfur hexafluoride
SIP	State Implementation Plan
SOx	Sulfur Oxides
SRA	Source/Receptor Area
TAC	Toxic air contaminants
VOC	Volatile organic compounds
WRCC	Western Regional Climate Center

1.0 Introduction

1.1 Purpose of Analysis and Study Objectives

This air quality, greenhouse gas (GHG), and health risk analysis was prepared to evaluate whether the estimated criteria pollutants and GHG emissions generated from the project would cause a significant impact to the air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The assessment is consistent with the methodology and emission factors endorsed by San Diego Air Pollution control district (SDAPCD), California Air Resource Board (CARB), and the United States Environmental Protection Agency (US EPA).

1.2 Project Summary

1.2.1 Site Location

The project site is located at 517 Shinohara Lane near Main Street between Oleander Avenue and Brandywine Avenue in the City of Chula Vista, San Diego County, California as shown in Exhibit A. The site is currently designated Limited Industrial (IL) according to the City of Chula Vista General Plan Land Use Diagram and the proposed use is industrial. Land uses surrounding the site include Residential to the north and west, and Industrial to the south and east.

1.2.2 Project Description

The approximately 9.72-acre project site is proposed to be developed with a 168,926 square foot warehouse and distribution center with 4,506 square feet of office space and 4,724 square feet of mezzanine space. Exhibit B demonstrates the site plan for the project.

Construction activities within the Project area will consist of on-site grading, building, paving, and architectural coating. Table 1 summarizes the land use description for the Project Site.

Table 1: Land Use Summary

Land Use	Unit Amount	Size Metric
Unrefrigerated Warehouse - No Rail[2]	178.156	TSF
Other Non-Asphalt Surfaces	2.4	AC
Parking Lot[3]	221	Space

[1] TSF=thousand square foot
[2] The site is assumed to be developed with a site specific warehouse/distribution building.
[3] It was assumed that the paving of the parking lot, loading areas, etc. would cover approximately 2.83 acres of the site.

1.2.3 Sensitive Receptors

Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. As identified by the California Air Resources Board (CARB), sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. For CEQA purposes, a sensitive receptor would be a location where a sensitive individual could remain for 24-hours or longer, such as residencies, hospitals, and schools (etc).

The closest existing sensitive receptors (to the site area) are the single-family residential land uses located 30 feet to the west and the multi-family residential land uses located 40 feet to the north of the project site.

1.3 Executive Summary of Findings and Mitigation Measures

The following is a summary of the analysis results:

Construction-Source Emissions
Project construction-source emissions would not exceed the City of Chula Vista's significance thresholds for criteria pollutants.

Project construction-source emissions would not conflict with the San Diego Regional Air Quality Strategy (RAQS). As discussed herein, the project will comply with all applicable SDAPCD construction-source emission reduction rules and guidelines. Project construction source emissions would not cause or substantively contribute to violation of the California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS).

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

Operational-Source Emissions
Operational-sourced emissions would not exceed the City of Chula Vista's significance thresholds; therefore, impacts during project operation would be less than significant. Project-related traffic will not cause or result in CO concentrations exceeding applicable state and/or federal standards (CO "hotspots). Project operational-source emissions would therefore not adversely affect sensitive receptors within the vicinity of the project.

The project operational-source emissions will not exceed the City of Chula Vista's significance thresholds and will not conflict with the RAQS. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential operational-source odor impacts are therefore considered less-than significant. The project

greenhouse gas emissions would be less than the 10,000 MT CO2e per year screening level threshold and would not conflict with the goals of SB-32, the CARB Scoping Plan, the City of Chula Vista Climate Action Plan; or the SANDAG Regional Plan; therefore, the project would not generate significant GHG emissions and would not conflict with an applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Impacts are considered to be less than significant.

The analysis shows that none of the nearby sensitive receptors would be exposed to elevated cancer risk from project operation-related diesel emissions in excess of 10 in a million, impacts are less than significant with mitigation. The operational related health risk impacts for non-cancer related impacts are less than 1.0; therefore, they are also considered to be less significant.

Mitigation Measures

A. Construction Measures

Adherence to SDAPCD Rules 52, 54, and 55 is required.

No construction mitigation required.

B. Operational Measures to Reduce Emissions

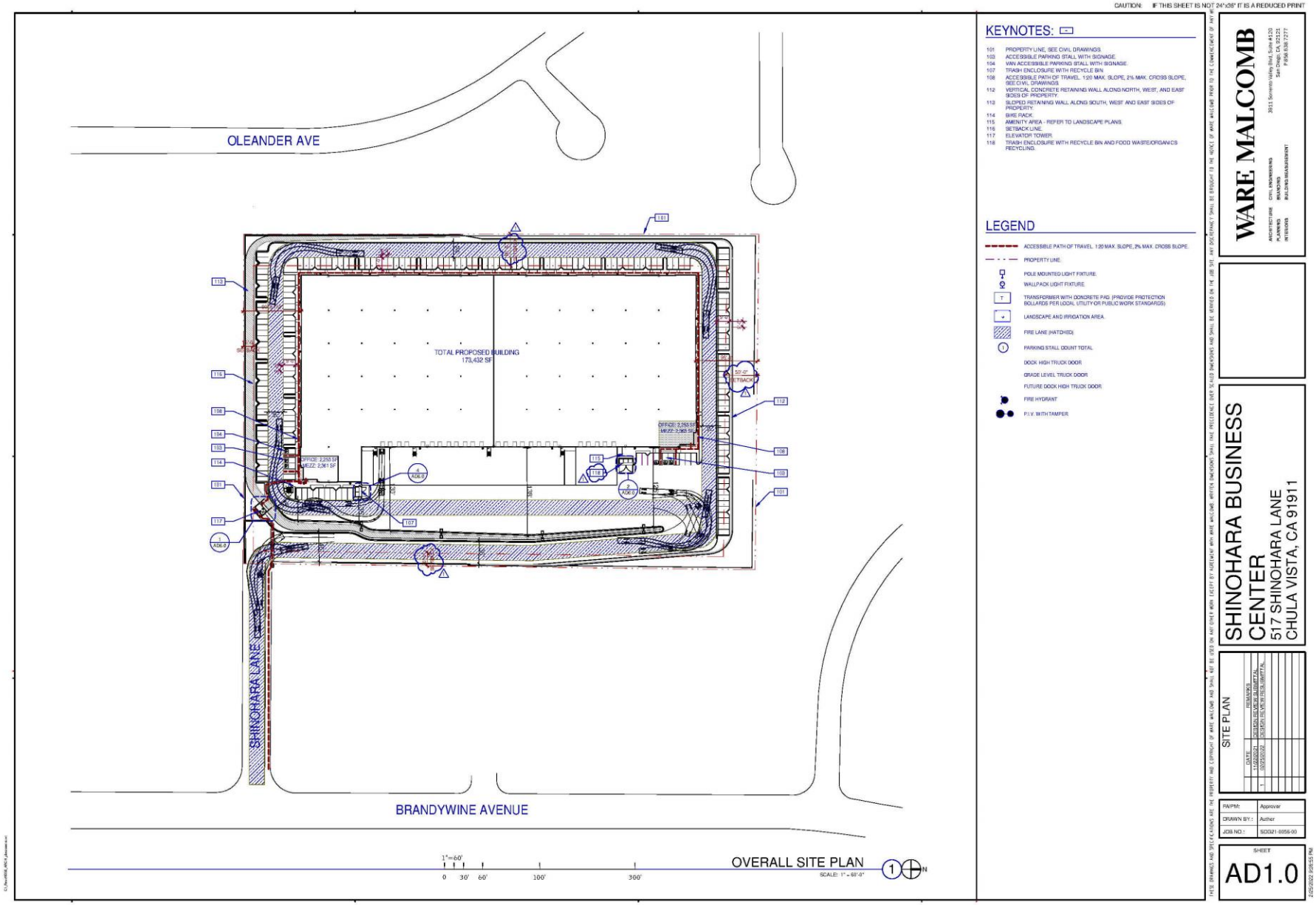
No operational mitigation required.

Exhibit A

Location Map

Exhibit B

Site Plan



2.0 Regulatory Framework and Background

2.1 Air Quality Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The San Diego Air Pollution Control District (SDAPCD) regulates at the air basin level.

2.1.1 National and State

The EPA is responsible for global, international, and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Air Quality Standards, also known as federal standards. There are six common air pollutants, called criteria pollutants, which were identified from the provisions of the Clean Air Act of 1970.

- Ozone
- Nitrogen Dioxide
- Lead
- Particulate Matter (PM10 and PM2.5)
- Carbon Monoxide
- Particulate Matter
- Sulfur Dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to project the public health.

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms. See http://www.arb.ca.gov/research/aaqs/aaqs.htm for additional information on criteria pollutants and air quality standards.

The federal and state ambient air quality standards are summarized in Table 2 and can also be found at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

Table 2: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentrations[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O3)	1-Hour	0.09 ppm	Ultraviolet Photometry	- -	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm		0.070 ppm (147 µg/m³)		
Respirable Particulate Matter (PM10)[8]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µ/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		- -		
Fine Particulate Matter (PM2.5)[8]	24-Hour	- -	- -	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 µg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 µg/m³)	- -	Non-Dispersive Infrared Photometry (NDIR)
	8-Hour	9.0 ppm (10 µg/m³)		9 ppm (10 µg/m³)	- -	
	8-Hour (Lake Tahoe)	6 ppm (7 µg/m³)		- -	- -	
Nitrogen Dioxide (NO_2)[9]	1-Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	- -	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (357 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1-Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	- -	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	- -		- -	0.5 ppm (1300 mg/m³)	
	24-Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[10]	- -	
	Annual Arithmetic Mean	- -		0.130ppm (for certain areas)[10]	- -	
Lead[11,12]	30 Day Average	1.5 µg/m³	Atomic Absorption	- -		High Volume Sampler and Atomic Absorption
	Calendar Qtr	- -		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	- -		0.15 µg/m³		
Visibility Reducing Particles[13]	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Notes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

10. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Several pollutants listed in Table 2 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

2.1.2 Local

San Diego Air Pollution Control District

In San Diego, the APCD is responsible for enforcing the rules and regulations protecting air quality. The San Diego Regional Air Quality Strategy (RAQS) was developed pursuant to California Clean Air Act (CCAA) requirements. The RAQS was initially adopted in 1991, and is updated on a triennial basis (most recently in 2009). The RAQS identifies feasible emission control measures to provide progress in San Diego County toward attaining the State ozone standard. The pollutants addressed in the RAQS are VOCs and NOX, precursors to the photochemical formation of ozone (the primary component of smog).

The RAQS relies on information from CARB and San Diego Association of Governments (SANDAG), including mobile and area source emissions, as well as information regarding projected growth in the County, to project future emissions and then determine from that the strategies necessary for the

reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and the County as part of the development of the individual General Plans.

In December 2016, the SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County which indicates that local controls and state programs would allow the region to reach attainment of the federal 8-hour O3 standard by 2018 (SDAPCD 2016). In this plan, SDAPCD relies on the RAQS to demonstrate how the region will comply with the federal O3 standard. The RAQS details how the region will manage and reduce O3 precursors (NOx and VOCs) by identifying measures and regulations intended to reduce these contaminants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS.

SDAPCD Rules and Regulations

The following rules and regulations apply to all sources in the jurisdiction of SDAPCD, and would apply to the project.

- **SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions.** Prohibits discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than 3 minutes in any period of 60 consecutive minutes that is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart.
- **SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance.** Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property.
- **SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust.** Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site.
- **SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings.** Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.
- **SDAPCD Regulation XII: Toxic Air Contaminates; Rule 1200: Toxic Air Contaminants – New Source Review.** Requires new or modified stationary source units with the potential to emit TACs above rule threshold levels to either demonstrate that they will not increase the maximum incremental cancer risk above 1 in 1 million at every receptor location, or demonstrate that toxics best available control technology (T-BACT) will be employed if

maximum incremental cancer risk is equal to or less than 10 in 1 million, or demonstrate compliance with SDAPCD's protocol for those sources with an increase in maximum incremental cancer risk at any receptor location of greater than 10 in 1 million but less than 100 in 1 million.

- **SDAPCD Regulation XII: Toxic Air Contaminates; Rule 1210: Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction.** Requires each stationary source that is required to prepare a public risk assessment to provide written public notice of risks at or above the following levels: maximum incremental cancer risks equal to or greater than 10 in 1 million, or cancer burden equal to or greater than 1.0, or total acute non-cancer health hazard index equal to or greater than 1.0, or total chronic non-cancer health hazard index equal to or greater than 1.0.

San Diego Association of Governments

SANDAG is the regional planning agency for San Diego County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. With respect to air quality planning and other regional issues, SANDAG has prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan, including its Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050. In regard to air quality, the Regional Plan sets the policy context in which SANDAG participates and responds to the air district's air quality plans and builds off the air district's air quality plan processes that are designed to meet health-based criteria pollutant standards in several ways (SANDAG 2015). On September 23, 2016, SANDAG's Board of Directors adopted the final 2016 Regional Transportation Improvement Program (RTIP). The 2016 RTIP is a multi-year program of projects for major transportation projects in the San Diego region. Transportation projects supported through federal, state, and TransNet (the San Diego transportation sales tax program) funds must be included in an approved RTIP. The 2016 RTIP covers five fiscal years and incrementally implements the Regional Plan (SANDAG 2016). The 2021 Regional Plan was adopted on December 10, 2021, and includes plans for multimodal roads, expanded transit, and improvements to the transportation system technology (SANDAG 2021).

On October 28, 2011, SANDAG adopted the 2050 Regional Transportation Plan (RPT) and Sustainable Communities Strategy (SCS), which meets the CARB emission reduction requirements. The 2050 RTP is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The plan outlines more than $214 billion in transportation system investments through 2050. The RTP is supported by a combination of transportation and land use strategies that help the region achieve state greenhouse gas emission reduction goals and federal Clean Air Act requirements, preserve open space areas, improve public health and roadway safety, support our vital goods movement industry and utilize resources more efficiently.

2.1.3 City of Chula Vista

City of Chula Vista General Plan

The Environmental Element of the City of Chula Vista's General Plan contains the following air-quality related objectives and policies that are applicable to the proposed project:

Objective E6 Improve local air quality and reduce greenhouse gas emissions by minimizing the release of air pollutants and toxic air contaminants and limiting the exposure of people to such pollutants.

Policies

E 6.1 Encourage compact development featuring a mix of uses that locate residential areas within reasonable walking distance to jobs, services, and transit.

E 6.2 Promote and facilitate transit system improvements in order to increase transit use and reduce dependency on the automobile.

E 6.3 Facilitate the use of alternative fuel and low- and zero-emission vehicles and equipment in the community.

E 6.4 Do not site new or re-powered fossil-fueled baseload or peaking-type Electric Generating Facilities and other major toxic emitters within 1,000 feet of sensitive receptors, or site sensitive receptors within 1,000 feet of such facilities.

E 6.6 Explore incentives to promote voluntary air pollutant reductions, including incentives for developers who go above and beyond applicable requirements and for facilities and operations that are not otherwise regulated.

E 6.7 Encourage innovative energy conservation practices and air quality improvements in new development and redevelopment projects consistent with the City's Air Quality Improvement Plan Guidelines or its equivalent, pursuant to the City's Growth Management Program.

E 6.8 Encourage climate resilient design techniques in new buildings and infrastructure to reduce future risks from climate change-related impacts such as wildfires, extreme heat, and flooding.

E 6.9 Discourage the use of landscaping equipment powered by two-stroke gasoline engines within the City and promote less-polluting alternatives to their use.

E 6.11 Develop strategies to minimize CO hot spots that address all modes of transportation.

E 6.12 Promote clean fuel sources that help reduce the exposure of sensitive uses to pollutants.

E 6.13 Encourage programs and infrastructure to increase the availability and usage of energy-efficient vehicles, such as hybrid electric vehicles, electric vehicles, or those that run on alternative fuels.

E 6.15 Site industries: and other stationary emitters in a way that minimizes the potential impacts of poor air quality on homes, schools, hospitals, and other land uses where people congregate, and disadvantaged populations.

E 6.16 Encourage the use of bicycles through support of bike share opportunities, community bike programs, and the provision of bicycle parking opportunities such as bike racks and bike lockers.

Final Environmental Impact Report for the City of Chula Vista General Plan Update

MM 5.8-1 The City shall continue to implement the Energy Strategy and Action Plan, that addresses demand side management, energy efficient and renewable energy outreach programs for businesses and residents, energy acquisition, power generation, and distributed energy resources and legislative actions, and continue to implement the CO2 Reduction Plan to lessen the impacts on energy.

MM 5.11-1 Mitigation of PM10 impacts requires active dust control during construction.

MM 5.11-2 No residential use shall be permitted or constructed within 1,000 feet of the Otay Landfill while the landfill is open and operating, unless a project specific analysis is completed demonstrating to the satisfaction of the Environmental Review Coordinator that odor effects are below the odor thresholds for common compounds emitted by the landfill for less than two percent of the time

2.2 Greenhouse Gas Regulatory Setting

2.2.1 International

Many countries around the globe have made an effort to reduce GHGs since climate change is a global issue.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations. The United States participates in the United Nations Framework Convention on Climate Change (UNFCCC) (signed on March 21, 1994). Under the Convention, governments gather and

share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

The 2014 UN Climate Change Conference in Lima Peru provided a unique opportunity to engage all countries to assess how developed countries are implementing actions to reduce emissions.

Kyoto Protocol. The Kyoto Protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. It has been estimated that if the commitments outlined in the Kyoto Protocol are met, global GHG emissions could be reduced by an estimated 5 percent from 1990 levels during the first commitment period of 2008 – 2012 (UNFCCC 1997). On December 8, 2012, the Doha Amendment to the Kyoto Protocol was adopted. The amendment includes: New commitments for Annex I Parties to the Kyoto Protocol who agreed to take on commitments in a second commitment period from 2013 – 2020; a revised list of greenhouse gases (GHG) to be reported on by Parties in the second commitment period; and Amendments to several articles of the Kyoto Protocol which specifically referenced issues pertaining to the first commitment period and which needed to be updated for the second commitment period.

2.2.2 National

Greenhouse Gas Endangerment. On December 2, 2009, the EPA announced that GHGs threaten the public health and welfare of the American people. The EPA also states that GHG emissions from on-road vehicles contribute to that threat. The decision was based on *Massachusetts v. EPA* (Supreme Court Case 05-1120) which argued that GHGs are air pollutants covered by the Clean Air Act and that the EPA has authority to regulate those emissions.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The second phase of the national program would involve proposing new fuel economy and greenhouse gas standards for model years 2017 – 2025 by September 1, 2011.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Issued by NHTSA and EPA in March 2020 (published on April 30, 2020 and effective after June 29, 2020), the Safer Affordable Fuel-Efficient Vehicles Rule would maintain the CAFE and CO2 standards applicable in model year 2020 for model years 2021 through 2026. The estimated CAFE and CO2 standards for model year 2020 are 43.7 mpg and 204 grams of CO2 per mile for passenger cars and 31.3 mpg and 284 grams of CO2 per mile for light trucks, projecting an overall industry average of 37 mpg, as compared to 46.7 mpg under the standards issued in 2012. This Rule also excludes CO2-equivalent emission improvements associated with air conditioning refrigerants and leakage (and, optionally, offsets for nitrous oxide and methane emissions) after model year 2020.[1]

Mandatory Reporting of Greenhouse Gases. On January 1, 2010, the EPA started requiring large emitters of heat-trapping emissions to begin collecting GHG data under a new reporting system. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA.

Climate Adaption Plan. The EPA Plan identifies priority actions the Agency will take to incorporate considerations of climate change into its programs, policies, rules and operations to ensure they are effective under future climatic conditions. The following link provides more information on the EPA Plan: https://www.epa.gov/arc-x/planning-climate-change-adaptation

2.2.3 California

California Code of Regulations (CCR) Title 24, Part 6. CCR Title 24, Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24) were first established 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 efficiency

[1] National Highway Traffic Safety Administration (NHTSA) and U.S. Environmental Protection Agency (USEPA), 2018. Federal Register / Vol. 83, No. 165 / Friday, August 24, 2018 / Proposed Rules, The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks 2018. Available at: https://www.gpo.gov/fdsys/pkg/FR-2018-08-24/pdf/2018-16820.pdf.

technologies and methods. Although it was not originally intended to reduce GHG emissions, electricity production by fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

The Energy Commission adopted 2008 Standards on April 23, 2008 and Building Standards Commission approved them for publication on September 11, 2008. These updates became effective on August 1, 2009. 2013 and 2016 standards have been approved and became effective July 1, 2014 and January 1, 2016, respectively. 2019 standards were published July 1, 2019 and became effective January 1, 2020.

California Code of Regulations (CCR) Title 24, Part 11. All buildings for which an application for a building permit is submitted on or after January 1, 2020 must follow the 2019 standards.. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions. The following links provide more information on Title 24, Part 11:
https://www.dgs.ca.gov/BSC/Codes
https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Housing and Community Development (HCD) updated CALGreen through the 2015 Triennial Code Adoption Cycle, during the 2016 to 2017 fiscal year. During the 2019-2020 fiscal year, the Department of Housing and Community Development (HCD) updated CALGreen through the 2019 Triennial Code Adoption Cycle.

The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings. CCR Title 24, Part 11: California Green Building Standards (Title 24) became effective in 2001 in response to continued efforts to reduce GHG emissions associated with energy consumption. CCR Title 24, Part 11 now require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. One focus of CCR Title 24, Part 11 is water conservation measures, which reduce GHG emissions by reducing electrical consumption associated with pumping and treating water. CCR Title 24, Part 11 has approximately 52 nonresidential mandatory measures and an additional 130 provisions for optional use. Some key mandatory measures for commercial occupancies include specified parking for clean air vehicles, a 20 percent reduction of potable water use within buildings, a 50 percent construction waste diversion from landfills, use of building finish materials that emit low levels of volatile organic compounds, and commissioning for new, nonresidential buildings over 10,000 square feet.

The 2019 CalGreen Code includes the following changes and/or additional regulations:

Single-family homes built with the 2019 standards will use about 7 percent less energy due to energy efficiency measures versus those built under the 2016 standards. Once rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy

than those under the 2016 standards. Nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades[2].

HCD modified the best management practices for stormwater pollution prevention adding Section 5.106.2 for projects that disturb one or more acres of land. This section requires projects that disturb one acre or more of land or less than one acre of land but are part of a larger common plan of development or sale must comply with the post-construction requirement detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board. The NPDES permits require post-construction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with installation of post-construction stormwater management measures.

HCD added sections 5.106.4.1.3 and 5.106.4.1.5 in regards to bicycle parking. Section 5.106.4.1.3 requires new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. In addition, Section 5.106.4.1.5 states that acceptable bicycle parking facility for Sections 5.106.4.1.2 through 5.106.4.1.4 shall be convenient from the street and shall meeting one of the following: (1) covered, lockable enclosures with permanently anchored racks for bicycles; (2) lockable bicycle rooms with permanently anchored racks; or (3) lockable, permanently anchored bicycle lockers.

HCD amended section 5.106.5.3.5 allowing future charging spaces to qualify as designated parking for clean air vehicles.

HCD updated section 5.303.3.3 in regards to showerhead flow rates. This update reduced the flow rate to 1.8 GPM.

HCD amended section 5.304.1 for outdoor potable water use in landscape areas and repealed sections 5.304.2 and 5.304.3. The update requires nonresidential developments to comply with a local water efficient landscape ordinance or the current California Department of Water Resource's' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. Some updates were also made in regards to the outdoor potable water use in landscape areas for public schools and community colleges.

HCD updated Section 5.504.5.3 in regards to the use of MERV filters in mechanically ventilated buildings. This update changed the filter use from MERV 8 to MERV 13.

[2] https://ww2.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard that buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official. The following link provides more on CalGreen Building Standards:
http://www.bsc.ca.gov/Home/CALGreen.aspx

Executive Order S-3-05. California Governor issued Executive Order S-3-05, GHG Emission, in June 2005, which established the following targets:

- By 2010, California shall reduce greenhouse gas emissions to 2000 levels;
- By 2020, California shall reduce greenhouse gas emissions to 1990 levels.
- By 2050, California shall reduce greenhouse gas emissions to 80 percent below 1990 levels.

The executive order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs.

Executive Order S-01-07. Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

On April 23, 2009 CARB approved the proposed regulation to implement the low carbon fuel standard and began implementation on January 1, 2011. The low carbon fuel standard is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. CARB approved some amendments to the LCFS in December 2011, which were implemented on January 1, 2013. In September 2015, the Board approved the re-adoption of the LCFS, which became effective on January 1, 2016, to address procedural deficiencies in the way the original regulation was adopted. In 2018, the Board approved amendments to the regulation, which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32, adding new crediting opportunities to promote zero emission vehicle adoption, alternative jet fuel, carbon capture and sequestration, and advanced technologies to achieve deep decarbonization in the transportation sector.

The LCFS is designed to encourage the use of cleaner low-carbon transportation fuels in California, encourage the production of those fuels, and therefore, reduce GHG emissions and decrease petroleum dependence in the transportation sector. Separate standards are established for gasoline and diesel fuels and the alternative fuels that can replace each. The standards are "back-loaded", with more reductions required in the last five years, than the first five years. This schedule allows for the development of advanced fuels that are lower in carbon than today's fuels and the market penetration of plug-in hybrid electric vehicles, battery electric vehicles, fuel cell vehicles, and flexible fuel vehicles. It is anticipated that compliance with the low carbon fuel standard will be based on a combination of both lower carbon fuels and more efficient vehicles.

Reformulated gasoline mixed with corn-derived ethanol at ten percent by volume and low sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or blends of these fuels with gasoline or diesel as appropriate. Compressed natural gas and liquefied natural gas also may be low carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles are also considered as low carbon fuels for the low carbon fuel standard.

SB 97. Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Resource Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the state CEQA guidelines that address GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporate GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance are provided and no specific mitigation measures are identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate action plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the greenhouse gas emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.
- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.

- New amendments include guidelines for determining methods to mitigate the effects of greenhouse gas emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports (EIRs) must specifically consider a project's energy use and energy efficiency potential.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year 2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent (MMTCO2e) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO2e. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 MMTCO2e.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 MMTCO2e by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) initially contained measures designed to reduce the State's emissions to 1990 levels by the year 2020 with a further goal of 40 percent below 2020 levels by 2030 established in 2017 (California Air Resources Board 2017). The 2020 goal was achieved in 2016. The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation

and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2030 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, Including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and
- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[4]

SB 375. Senate Bill 375 (SB 375) was adopted September 2008 and aligns regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPO) to adopt a sustainable communities strategy (SCS) or alternate planning strategy (APS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP). CARB, in consultation with each MPO, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's sustainable communities strategy or alternate planning strategy for consistency with its assigned targets.

The proposed project is located within the San Diego Association of Government (SANDAG), which has authority to develop the SCS or APS. For the SANDAG region, the targets set by CARB are at 15 percent below 2005 per capita GHG emissions levels by 2020 and 19 percent below 2005 per capita GHG emissions levels by 2035. On October 28, 2011, SANDAG adopted the 2050 Regional Transportation

Plan (RPT) and Sustainable Communities Strategy (SCS), which meets the CARB emission reduction requirements.

The 2050 RTP is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The plan outlines more than $214 billion in transportation system investments through 2050. The RTP is supported by a combination of transportation and land use strategies that help the region achieve state greenhouse gas emission reduction goals and federal Clean Air Act requirements, preserve open space areas, improve public health and roadway safety, support our vital goods movement industry and utilize resources more efficiently.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS or APS. However, new provisions of CEQA would incentivize, through streamlining and other provisions, qualified projects that are consistent with an approved SCS or APS and categorized as "transit priority projects."

Assembly Bill 939, Assembly Bill 341, and Senate Bill 1374. Assembly Bill 939 (AB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. AB 341 requires at least 75 percent of generated waste be source reduced, recycled, or composted by the year 2020. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resource Agency 2009) was adopted, which is the "… first statewide, multi-sector, region-specific, and information-based climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15. Executive Order B-30-15, establishing a new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030, was signed by Governor Brown in April 2015.

Executive Order B-29-15. Executive Order B-29-15, mandates a statewide 25% reduction in potable water usage and was signed into law on April 1, 2015.

Executive Order B-37-16. Executive Order B-37-16, continuing the State's adopted water reduction, was signed into law on May 9, 2016. The water reduction builds off the mandatory 25% reduction called for in EO B-29-15.

Executive Order N-79-20. Executive Order N-79-20 was signed into law on September 23, 2020 and mandates 100 percent of in-state sales of new passenger cars and trucks be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the state be zero-emission vehicles by 2045 for all operations where feasible and by 2035 for drayage trucks; and to transition to 100 percent zero-emission off-road vehicles and equipment by 2035 where feasible.

Renewables Portfolio Standard (RPS) Program. California's RPS program was established in 2002 by Senate Bill (SB) 1078 with the initial requirement that 20% of electricity retail sales must be served by renewable resources by 2017. The program was accelerated in 2015 with SB 350 which mandated a 50% RPS by 2030. SB 350 includes interim annual RPS targets with three-year compliance periods and requires 65% of RPS procurement to be derived from long-term contracts of 10 or more years. In 2018, SB 100 was signed into law, which again increases the RPS to 60% by 2030 and requires all the state's electricity to come from carbon-free resources by 2045 (CPUC 2021).

San Diego Gas & Electric procured 42 percent of its power from renewable resources, which is above the State's statutory and Commission's RPS program requirements (SDG&E 2021).

2.2.4 Local

City of Chula Vista

City of Chula Vista Climate Action Plan

In 2000, the City of Chula Vista became the first municipality in San Diego County to adopt a Climate Action Plan (CAP). The plan, CO2 Reduction Plan, inventoried existing CO2 emissions, projected emissions growth to 2010, and evaluated a wide range of CO2 reduction measures. Measures included in the original Climate Action Plan focus on Transportation Control Measures; land use patterns; clean transportation fuels; and residential, commercial, and industrial building efficiencies. In 2005, the City re-inventoried GHG emissions inventory to evaluate the City's progress in reaching its emissions goals. Subsequently, the City developed the Climate Mitigation Plans (2008) and Climate Adaptation Plans (2011).

In September 2017, the City released a new CAP. Whereas previous climate planning documents established a target of 15 percent below 2005 levels by 2020 consistent with the Original Scoping Plan, the updated CAP reflects new guidance from the 2017 Scoping Plan which recommends that local governments pursue reduction goals of 6 MT CO2E per capita in 2030 and 2 MT CO2E per capita in 2050. As the City began working on climate action planning earlier than other jurisdictions, previous efforts have already reduced communitywide emissions to less than 6 MT CO2E per capita. To support the longer-term 2050 goal, the new CAP includes measures that promote energy and water-efficient buildings, smart growth and clean transit, zero waste policies, and increased local energy generation and water resources. These additional reduction measures are anticipated to result in an additional reduction of 194,950 MT CO2E (or approximately 0.4 MT of per capita reductions).

City of Chula Vista General Plan

The City's General Plan includes various policies related to reducing greenhouse gas emissions. The applicable policies to the project are listed below.

Land Use and Transportation Element

LUT -23.1 Encourage the use of bicycles and walking as alternatives to driving.

LUT -23.8 Provide and maintain a safe and efficient system of sidewalks, trails, and pedestrian crossings.

LUT -23.14 Require new development projects to provide internal bikeway systems with connections to the citywide bicycle networks.

Environmental Element

E -6.5 *Ensure* that plans developed to meet the City's energy demand use the least polluting strategies, wherever practical. Conservation, clean renewables, and clean distributed generation should be considered as part of the City's energy plan, along with larger natural gas-fired plants.

E-6.7 Encourage innovative energy conservation practices and air quality improvements in new development and redevelopment projects consistent with the City's Air Quality Improvement Plan Guidelines or its equivalent, pursuant to the City's Growth Management Program.

E-6.8 Support the use of alternative fuel transit, City fleet and private vehicles in Chula Vista.

E -7.1 Promote development of regulations and building design standards that maximize energy efficiency through appropriate site and building design and through the use of energy-efficient materials, equipment, and appliances.

E-7.6 Encourage the construction and operation of green buildings, considering such programs as the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

E-7.8 Ensure that residential and non-residential construction complies with all applicable City energy efficiency measures and other green building measures that are in effect at the time of discretionary permit review and approval or building permit issuance, whichever is applicable.

E-78.1 Promote efforts to reduce waste, minimize the need for additional landfills, and provide economically and environmentally sound resource recovery, management, and disposal facilities.

2.3 Health Risk Regulatory Setting

Health Risk Assessments for Proposed Land Use Projects CAPCOA Guidance Document. This guidance was adopted July 2009 to ensure consistency in assessing the health risk impacts from and to proposed land use projects. This CAPCOA guidance document focuses on the acute, chronic, and cancer impacts of sources affected by CEQA. It also outlines the recommended procedures to identify when a project should undergo further risk evaluation, how to conduct the health risk assessment (HRA), how to engage the public, what to do with the results from the HRA, and what mitigation measures may be appropriate for various land use projects. With respect to health risks associated with locating sensitive land uses in proximity to freeways and other high traffic roadways, HRA modeling may not thoroughly characterize all the health risk associated with nearby exposure to traffic generated pollutants.

California Code of Regulations (CCR) Title 13 Section 2485. The Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling applies to diesel-fueled commercial motor vehicles that operate in the State of California with gross vehicle weight ratings of greater than 10,000 pounds that are or must be licensed for operation on highways. It limits applicable vehicles from idling more than five consecutive minutes at any location.

3.0 Setting

3.1 Existing Physical Setting

The project site is located in the City of Chula Vista, which is in the San Diego Air Basin (SDAB). The boundaries of the SDAB are contiguous with the political boundaries of San Diego County. The County of San Diego is bounded on the north by Orange and Riverside Counties, on the east by Imperial County, on the west by the Pacific Ocean, and on the south by the Mexican State of Baja California.

3.1.1 Local Climate and Meteorology

The San Diego Air Basin climate is largely dominated by the semi-permanent high-pressure system over the Pacific Ocean, which creates a pattern of late-night and early-morning low clouds, hazy afternoon sunshine, daytime onshore breezes, and little temperature variation year round. The San Diego area is classified as having a Mediterranean climate, with warm, dry summers and mild, wet winters. Temperature and precipitation can vary widely within the SDAB, where average annual precipitation ranges from approximately 10 inches in the coastal and inland areas to over 30 inches in the mountains (County of San Diego, 2007). In general, more mild annual temperatures are experienced in the maritime and coastal areas, whereas the interior and desert areas experience warmer summers and cooler winters. The project site is located approximately 2.8 miles inland from the coast.

The high-pressure system drives the prevailing winds in the SDAB. The winds tend to blow onshore in the daytime and offshore at night. In the summer, an inversion layer is created over the coastal areas and increases the O_3 levels. During winter, San Diego often experiences a shallow inversion layer which tends to increase carbon monoxide and PM2.5 concentration levels due to the increased use of residential wood burning. The SDAB is often impacted by Santa Ana winds during the fall months. These winds blow the air basin's pollutants out to sea; however, a weak Santa Ana can transport air pollution from the South Coast Air Basin and greatly increase the San Diego O_3 concentrations. (SDAPCD 2017)

The temperature and precipitation levels for the City of Chula Vista are in Table 3. Table 3 shows that August and September are typically the warmest months and December is typically the coolest month. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

<Table 3, next page>

Table 3: Meteorological Summary

Month	Temperature (˚F)		Average Precipitation (inches)
	Average High	Average Low	
January	68.0	45.7	1.87
February	67.8	47.6	2.31
March	68.2	50.2	1.70
April	69.5	53.0	0.68
May	70.1	57.3	0.14
June	72.0	60.7	0.06
July	75.7	64.1	0.03
August	77.7	65.3	0.02
September	78.0	63.0	0.13
October	75.6	57.8	0.50
November	69.3	48.7	0.97
December	67.9	45.6	1.55
Annual Average	**71.9**	**55.1**	**10.0**

Notes:
[1] Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1758

3.1.2 Local Air Quality

The San Diego APCD operates and maintains ten monitoring stations located throughout the region. The purpose of these stations is to measure concentrations of the criteria pollutants and determine whether the ambient air quality meets the NAAQS and the CAAQS. The nearest air monitoring station to the project site is the Chula Vista Monitoring Station (Chula Vita Station). The Chula Vista Station is located approximately 2.74 miles northwest of the project site at 80 E J Street. Table 4 presents the monitored pollutant levels within the vicinity. However, it should be noted that due to the air monitoring station distance from the project site, recorded air pollution levels at the air monitoring station reflect with varying degrees of accuracy, local air quality conditions at the project site.

<Table 4, next page>

Table 4: Local Area Air Quality Levels

Pollutant (Standard)[2]	Year		
	2018	**2019**	**2020**
Ozone:			
Maximum 1-Hour Concentration (ppm)	0.076	0.090	0.106
Days > CAAQS (0.09 ppm)	0	0	1
Maximum 8-Hour Concentration (ppm)	0.065	0.077	0.086
Days > NAAQS (0.07 ppm)	0	**2**	**4**
Days > CAAQS (0.070 ppm)	0	**2**	**4**
Carbon Monoxide:			
Maximum 1-Hour Concentration (ppm)	*	*	*
Days > NAAQS (20 ppm)	*	*	*
Maximum 8-Hour Concentration (ppm)			
Days > NAAQS (9 ppm)	0.052	0.050	0.045
Nitrogen Dioxide:	0	0	0
Maximum 1-Hour Concentration (ppm)			
Days > NAAQS (0.25 ppm)	*	*	*
Sulfur Dioxide:	*	*	*
Maximum 1-Hour Concentration (ppm)			
Days > CAAQS (0.25 ppm)	45.0	69.4	*
Inhalable Particulates (PM10):	0	0	0
Maximum 24-Hour Concentration (ug/m^3)	0	**1**	0
Days > NAAQS (150 ug/m^3)	20.7	17.2	*
Days > CAAQS (50 ug/m^3)	No	No	No
Annual Average (ug/m^3)	No	No	No
Annual > NAAQS (50 ug/m^3)			
Annual > CAAQS (20 ug/m^3)	41.9	18.6	46.7
Ultra-Fine Particulates (PM2.5):	**1**	0	**2**
Maximum 24-Hour Concentration (ug/m^3)	10	*	*
Days > NAAQS (35 ug/m^3)	No	*	*
Annual Average (ug/m^3)	No	*	*
Annual > NAAQS (15 ug/m3)	**2018**	**2019**	**2020**
Annual > CAAQS (12 ug/m^3)			

[1.] Source: obtained from https://www.arb.ca.gov/adam/topfour/topfour1.php
[2] CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million
[*] No data and/or insufficient data available.

The monitoring data presented in Table 4 shows that ozone and particulate matter (PM10 and PM2.5) are the air pollutants of primary concern in the project area, which are detailed below.

Ozone

During the 2018 to 2020 monitoring period, the State 1-hour concentration standard for ozone was exceeded 1 day in 2020 at the Chula Vista Station. The State 8-hour ozone standard has been exceeded for two days in 2019 and 4 days in 2020 over the past three years at the Chula Vista Station. The Federal 8-hour ozone standard has been exceeded for two days in 2019 and 4 days in 2020 over the past three years at the Chula Vista Station.

Carbon Monoxide
CO is another important pollutant that is due mainly to motor vehicles. The Chula Vista Station did not record an exceedance of the state or federal 1-hour or 8-hour CO standards for the last three years.

Nitrogen Dioxide
The Chula Vista Station did not record an exceedance of the State or Federal NO_2 standards for the last three years.

Sulfur Dioxide
The Chula Vista Station did not record an exceedance of the State SO_2 standards for the last three years.

Particulate Matter
During the 2018 to 2020 monitoring period, the State 24-hour concentration standard for PM10 were exceeded for one day in 2019 at the Chula Vista Station. Over the same time period the Federal 24-hour and annual standards for PM10 have not been exceeded at the Chula Vista Station.

During the 2018 to 2020 monitoring period, the Federal 24-hour standard for PM2.5 was exceeded for one day in 2018 and two days in 2020 at the Chula Vista Station

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

3.1.3 Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard.

The criteria pollutants of primary concern that are considered in this analysis are O3, NO2, CO, SO2, PM10, and PM2.5. Although there are no ambient standards for VOCs or NOx, they are important as precursors to O_3. The portion of the SDAB where the project site is located is designated by the EPA as

a nonattainment area for the 8-hour NAAQS for O_3. The SDAB is designated in attainment for all other criteria pollutants under the NAAQS with the exception of PM10, which was determined to be unclassifiable. The SDAB is currently designated nonattainment for O3 and particulate matter, PM10 and PM2.5, under the CAAQS. It is designated attainment for the CAAQS for CO, NO2, SO2, lead, and sulfate

Table 5 lists the attainment status for the criteria pollutants in the basin.

Table 5: San Diego County Air Basin Attainment Status

Pollutant	Federal Designation	State Designation
O_3 (1 hour)	Attainment[1]	Nonattainment
O_3 (8-hour)	Nonattainment	Nonattainment
CO	Attainment	Attainment
PM_{10}	Unclassifiable[2]	Nonattainment
$PM_{2.5}$	Attainment	Nonattainment
NO_2	Attainment	Attainment
SO_2	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(No federal standard)	Attainment
Hydrogen Sulfide	(No federal standard)	Unclassified
Visibility-reducing particulates	(No federal standard)	Unclassified

Notes:
Sources:https://www.sandiegocounty.gov/content/sdc/apcd/en/air-quality-planning/attainment-status.html
[1] The federal 1-hour standard of 0.12 ppm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in State Implementation Plans.
[2] At the time of designation, if the available data do not support a designation of attainment or nonattainment, the area is designated as unclassifiable.

3.2 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Transportation is responsible for 41 percent of the State's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and nitrous oxide (NO_2) are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the

atmosphere, include uptake by vegetation and dissolution into the ocean. Table 6 provides a description of each of the greenhouse gases and their global warming potential.

Additional information is available: https://www.arb.ca.gov/cc/inventory/data/data.htm

<Table 6 on next page>

Table 6: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (N_20),also known as laughing gas is a colorless gas. It has a lifetime of 114 years. Its global warming potential is 298.	Microbial processes in soil and water, fuel combustion, and industrial processes. In addition to agricultural sources, some industrial processes (nylon production, nitric acid production) also emit N_20.
Methane	Methane (CH_4) is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 25.	A natural source of CH_4 is from the decay of organic matter. Methane is extracted from geological deposits (natural gas fields). Other sources are from the decay of organic material in landfills, fermentation of manure, and cattle farming.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	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.
Chlorofluorocarbons	CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). They are gases formed synthetically by replacing all hydrogen atoms in methane or methane with chlorine and/or fluorine atoms. Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone, therefore their production was stopped as required by the Montreal Protocol.
Hydrofluorocarbons	Hydrofluorocarbons (HFCs) are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons (PFCs) have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above the Earth's surface. They have a lifetime 10,000 to 50,000 years. They have a global warming potential range of 6,200 to 9,500.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	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 for leak detection.

Notes:
1. Sources: Intergovernmental Panel on Climate Change 2014a and Intergovernmental Panel on Climate Change 2014b. https://www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-10-2.html

4.0 Modeling Parameters and Assumptions

4.1 Construction

Typical emission rates from construction activities were obtained from CalEEMod Version 2020.4.0 The CalEEMod program uses the EMFAC2017 computer program to calculate the emission rates specific for the southwestern portion of San Diego County for construction-related employee vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy truck operations. EMFAC2017 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of the proposed project as indicated in Table 1. Using CalEEMod default timelines for construction phases and the proposed operational date, the proposed project was modeled as beginning construction no earlier than March 2022 and being completed by mid-April 2023. The phases of the construction activities which have been analyzed below are: 1) grading, 2) building, 3) paving, and 4) architectural coating. For details on construction modeling and construction equipment for each phase, please see Appendix A.

The project would be required to comply with SDAPCD Rules 52, 54, and 55 which identify measures to reduce fugitive dust and are required to be implemented at all construction sites located within the SDAB. The requirements to reduce fugitive dust in compliance with SDAPCD Rules 52, 54, and 55 were included in CalEEMod for the grading phase of construction.

The architectural coating phase involves the greatest release of VOCs. The emissions modeling for the project includes the use of low-VOC paint (50 grams per liter [g/L] for not flat coatings for the buildings and 100 [g/L] for parking lot striping) as required by SDAPCD Rule 67.0.1.

4.2 Operations

Operational or long-term emissions occur over the life of the Project. Both mobile and area sources generate operational emissions. Area source emissions arise from consumer product usage, heaters that consume natural gas, gasoline-powered landscape equipment, and architectural coatings (painting). Mobile source emissions from motor vehicles are the largest single long-term source of air pollutants from the operation of the Project. Small amounts of emissions would also occur from area sources such as the consumption of natural gas for heating, hearths, and consumer product usage. The operational emissions were estimated using the latest version of CalEEMod.

Mobile Sources
Mobile sources include emissions from the additional vehicle miles generated from the proposed project. The vehicle trips associated with the proposed project are based upon the trip generation rates provided by Linscott, Law, & Greenspan Engineers which uses SANDAG's (Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region (SANDAG 2002). The trip generation shows

a trip generation rate of 25 trips per thousand square foot for both the office and industrial uses with the project generating a total of 4,881 trips per day with 132 of those trips being from truck traffic.[3]

The program then applies the emission factors for each trip which is provided by the EMFAC2017 model to determine the vehicular traffic pollutant emissions. The CalEEMod default trip lengths were used in this analysis. Please see CalEEMod output comments sections in Appendix A and B for details.

Area Sources
Area sources include emissions from consumer products, landscape equipment and architectural coatings. Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers, as well as air compressors, generators, and pumps. As specifics were not known about the landscaping equipment fleet, CalEEMod defaults were used to estimate emissions from landscaping equipment.

The architectural coating phase involves the greatest release of VOCs. The emissions modeling for the project includes the use of low-VOC paint (50 grams per liter [g/L] for not flat coatings for the buildings and 100 [g/L] for parking lot striping) as required by SDAPCD Rule 67.0.1.

Energy Usage
2020.4.0 CalEEMod defaults were utilized.

Solid Waste Sources
Solid waste sources include emissions from disposal of solid waste into landfills.

Energy Usage
2020.4.0 CalEEMod defaults were utilized. CalEEMod outputs can be found in Appendices A and B.

[3] Per email conversation with Linsott, Law, & Greenspan Engineers, the 132 total truck trips are all anticipated to be heavy-duty semi-trucks (see Appendix C).

5.0 Thresholds of Significance

5.1 Air Quality Thresholds of Significance

5.1.1 CEQA Guidelines for Air Quality

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard;

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SDAPCD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts.

The City evaluated project emissions based on the quantitative emission thresholds established by the South Coast Air Quality Management District (SCAQMD). The City of Chula Vista is located within the San Diego Air Pollution Control District (SDAPCD); however, the SDAPCD has only established thresholds for stationary sources and not for CEQA purposes. Therefore, the City chose to use thresholds from the adjacent district, SCAQMD (City of Chula Vista, 2012). The SCAQMD sets forth quantitative emission significance thresholds below which a project would not have a significant impact on ambient air quality. It should be noted that the use of these significance thresholds is conservative, as the SCAQMD's significance thresholds were originally based on the South Coast Air Basin extreme ozone nonattainment status for the 1-hour NAAQS, whereas the SDAB was designated as an attainment area for the 1-hour NAAQS. Project-related air quality impacts estimated in this environmental analysis would be considered significant if any of the applicable significance thresholds presented below are exceeded.

5.1.2 Regional Significance Thresholds

As discussed above, the City has established thresholds based on the quantitative emission thresholds established by the SCAQMD. These screening criteria can be used to demonstrate whether a project's total emissions would result in a significant impact as defined by CEQA. These daily screening thresholds for construction and operations are shown in Table 7 below.

Table 7: City of Chula Vista Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	**Construction (pounds per day)**	**Operation (pounds per day)**
VOCs	75	55
NOx	100	55
CO	550	550
SOx	150	150
PM10	150	150
PM2.5	55	55
Lead*	3	3

Notes:
Source: SCAQMD 2019.
VOC = volatile organic compound; Nox = oxides of nitrogen; CO = carbon monoxide; Sox= suflur oxides; PM10 = coarse partiulcate matter; PM2.5 = fine particulate matter.
*The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

The thresholds listed above, and in Table 7, represent screening-level thresholds that can be used to evaluate whether project-related emissions could cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. For nonattainment pollutants, if emissions exceed the thresholds shown in Table 7, the project could have the potential to result in a cumulatively considerable net increase in these pollutants and thus could have a significant impact on the ambient air quality.

With respect to odors, SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

5.2 Greenhouse Gas Thresholds of Significance

5.2.1 CEQA Guidelines for Greenhouse Gas

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

However, despite this, currently neither the CEQA statutes, OPR guidelines, nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis; as with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency.

No GHG emission thresholds have been adopted by the City for land development projects. The San Diego Air Pollution Control District (SDAPCD) is considered the most appropriate agency with special knowledge in the subject area as the City is located within the SDAPCD jurisdiction. However, the SDAPCD has not issued guidance for assessing GHG impacts from land use development projects. Thus, in the absence of a threshold of significance for GHG emissions for the SDAPCD, as has been done with previous projects in the City, the project is evaluated based on the recommendation from the next closest air district, the South Coast AQMD.

This analysis follows guidance from the South Coast AQMD's Interim CEQA GHG Significance Thresholds (SCAQMD 2008). South Coast AQMD's thresholds are a tiered approach; projects may be determined to be less than significant under each tier or require further analysis under subsequent tiers. As identified in the Working Group meeting in September 2010, the five tiers are:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions.
- Tier 3 consists of screening values, which the lead agency can choose but must be consistent. A project's construction emissions are averaged over 30 years and are added to a project's operational emissions. If a project's emissions are under one of the following screening thresholds, then the project is less than significant:
    - All land use types: 3,000 MTCO2e per year
    - Based on land use types: residential is 3,500 MTCO2e per year; commercial is 1,400 MTCO2e per year; mixed use is 3,000 MTCO2e per year; and industrial is 10,000 MTCO2e
- Tier 4 has the following options:

  - Option 1: Reduce emissions from business as usual by a certain percentage; this percentage is currently undefined
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: Year 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO2e/SP/year for projects and 6.6 MTCO2e/SP/year for plans;
  - Option 3, 2035 target: 3.0 MTCO2e/SP/year for projects and 4.1 MTCO2e/SP/year for plans

- Tier 5 involves mitigation offsets to achieve target significance threshold.

Tier 1 and Tier 2 thresholds are based on planning consistency. This approach, which is referred to in the CEQA Guidelines as "tiering," allows agencies to rely on programmatic analysis of GHG emissions to determine that subsequent development consistent with the regional plan would result in incremental GHG emissions contribution that represent a less than significant contribution to cumulative effects.

Tier 3 significance screening levels from SCAQMD guidance are based on the concept of establishing a 90 percent GHG emission market capture rate. A 90 percent emission capture rate means that 90 percent of total emissions from new development projects would be subject to CEQA analysis and mitigation. The market capture rate of 90 percent was developed to capture a substantial fraction of GHG emissions from new development projects while excluding small projects that will in aggregate contribute a relatively small fraction of the cumulative statewide GHG emissions. This market capture rate approach is based on guidance from the CAPCOA report CEQA & Climate Change, dated January 2008 (CAPCOA 2008). Following rationale presented in the CAPCOA Guidance, the aggregate emissions from all projects with individual annual emissions that are equal to or less than the identified screening levels for 90 percent market capture rate would not impede achievement of the statewide GHG emissions reduction targets.

Tier 4 and Tier 5 interim thresholds are intended to demonstrate project consistency with the AB 32 goal of achieving 1990 emission levels by 2020 and the SB 32 goal of reducing GHG emissions to 40 percent below 1990 levels by 2030.

Therefore, due to the project's proposed industrial use, this analysis utilizes SCAQMD's Tier 3 industrial threshold of 10,000 MTCO2e per year and then, per SCAQMD's Tier 2 thresholds, assessed in compliance with applicable plans, policies, regulations, and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. As a land use development project, the most directly applicable adopted regulatory plan to reduce GHG emissions is the SANDAG's Regional Plan, which is designed to achieve regional GHG reductions from the land use and transportation sectors as required by SB 375 and the state's long-term climate goals. This analysis also considers consistency with regulations and requirements adopted by the Scoping Plan and the City's CAP. Furthermore, the OPR has noted that lead agencies should make a good-faith effort to

calculate or estimate GHG emissions from a project.[4] Therefore, the GHG emissions have also been quantified below, consistent with OPR guidelines. As recommended by the Association of Environmental Professionals in the 2016 Final White Paper, construction-related emissions are amortized over a 30-year period in conjunction with the proposed project's operational emissions (AEP 2016).

5.3 Toxic Air Contaminants

Non criteria pollutants such as Hazardous Air Pollutants (HAPs) or Toxic Air Contaminants (TACs) are also regulated by the SDAPCD. Rule 1200 (Toxic Air Contaminants - New Source Review) adopted on June 12, 1996, requires evaluation of potential health risks for any new, relocated, or modified emission unit which may increase emissions of one or more toxic air contaminants. The rule requires that projects that could potentially increase cancer risk to between 1 and 10 in one million need to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk. At no time shall the project increase the cancer risk to over 10 in one million or a health hazard index (chronic and acute) greater than one. Projects creating cancer risks less than one in one million are not required to implement TBACT technology.

Therefore, the threshold for toxic air contaminants (TACs) is a maximum incremental cancer risk of 10 per million and a non-cancer (acute and chronic) hazard index of 1.0 or greater. An exceedance to these values would be considered a significant impact.

[4] OPR Technical Advisory, page 5.

6.0 Air Quality Emissions Impact

6.1 Construction Air Quality Emissions Impact

The latest version of CalEEMod was used to estimate the construction emissions. The emissions incorporate adherence to SDAPCD Rules 51, 52, 54, 55, 67, and 1200 (as identified in Section 4.1 above). Adherence to these rules are not considered mitigation measures as the project by default is required to incorporate these rules during construction.

6.1.1 Temporary Construction Emissions

The construction emissions for the project would not exceed the City's screening level thresholds during project construction, as demonstrated in Table 8, and therefore would be considered less than significant. Construction modeling parameters and assumptions can be found in Section 4.1.

Table 8: Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Activity	Pollutant Emissions[1]					
	VOC	**NOx**	**CO**	**SO_2**	**PM10**	**PM2.5**
2022	2.30	26.15	21.52	0.05	8.78	4.53
2023	44.27	17.41	20.96	0.05	2.43	1.14
Maximum Daily Emissions	44.27	26.15	21.52	0.05	8.78	4.53
Chula Vista Threshold	75	100	550	150	150	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:
Source: CalEEMod Version 2020.4.0
[1] Grading phases incorporate anticipated emissions reductions required by SDAPCD Rules 52, 54, and 55 to reduce fugitive dust. The architectural coating phases incorporate anticipated emissions reductions required by SDAPCD Rule 67.

6.1.2 Construction-Related Toxic Air Contaminant Impact

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during construction of the proposed project. The Office of Environmental Health Hazard Assessment (OEHHA) has issued the Air Toxic Hot Spots Program Risk Assessment Guidelines and Guidance Manual for the Preparation of Health Risk Assessments, February 2015 to provide a description of the algorithms, recommended exposure variates, cancer and noncancer health values, and the air modeling protocols needed to perform a health risk assessment (HRA) under the Air Toxics Hot Spots Information and Assessment Act of 1987. Hazard identification includes identifying all substances that are evaluated for cancer risk and/or noncancer acute, 8-hour, and chronic health impacts. In addition, identifying any multi-pathway substances that present a cancer risk or chronic noncancer hazard via non-inhalation routes of exposure.

CARB In-Use Off-Road Diesel-Fueled Fleets Regulation limits unnecessary idling to 5 minutes, requires all construction fleets to be labeled and reported to CARB, bans Tier 0 equipment, and phases out Tier 1 and 2 equipment thereby replacing fleets with cleaner equipment, and requires that fleets comply with Best Available Control Technology requirements.

The closest existing sensitive receptors (to the site area) are the single-family residential land uses located 30 feet to the west and the multi-family residential land uses located 40 feet to the north of the project site.

Given the relatively limited number of heavy-duty construction equipment and construction schedule, the proposed project can qualitatively be determined to not result in a long-term substantial source of toxic air containment emissions and corresponding individual cancer risk. Furthermore, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) do not exceed any local or regional thresholds. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project.

6.2 Operational Air Quality Emissions Impact

6.2.1 Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEEMod model. The operating emissions were based on year 2023, which is the anticipated opening year for the project. The summer and winter emissions created by the proposed project's long-term operations were calculated and the highest emissions from either summer or winter are summarized in Table 9. Emissions were modeled according to the parameters and assumptions established in Section 4.2.

Table 9: Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Activity	Pollutant Emissions (pounds/day)[1]					
	VOC	NOx	CO	SO2	PM10	PM2.5
Area Sources[2]	5.05	0.00	0.04	0.00	0.00	0.00
Energy Usage[3]	0.01	0.08	0.07	0.00	0.01	0.01
Mobile Sources[4]	14.83	16.79	138.02	0.29	30.23	8.20
Total Emissions	**19.90**	**16.87**	**138.13**	**0.30**	**30.23**	**8.21**
Chula Vista Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

[1] Source: CalEEMod Version 2020.4.0
[2] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[3] Energy usage consists of emissions from on-site natural gas usage.
[4] Mobile sources consist of emissions from vehicles and road dust.

The data in Table 9 shows that emissions from the operation of the proposed project does not exceed City thresholds. Therefore, the impact is considered less than significant.

6.3 CO Hot Spot Emissions

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality

impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards.

The SDAB is classified as a state attainment area and as a federal maintenance area for CO. Until 2003, no violations of the state standard for CO had been recorded in the SDAB since 1991, and no violations of the national standard had been recorded in the SDAB since 1989. The violations that took place in 2003 were likely the result of massive wildfires that occurred throughout the county. No violations of the state or federal CO standards have occurred since 2003.

Small-scale, localized concentrations of CO above the state and national standards have the potential to occur at intersections with stagnation points such as those that occur on major highways and heavily traveled and congested roadways. Localized high concentrations of CO are referred to as "CO hot spots" and are a concern at congested intersections, where automobile engines burn fuel less efficiently and their exhaust contains more CO.

Localized CO concentration is a direct function of motor vehicle activity at signalized intersections (e.g., idling time and traffic flow conditions), particularly during peak commute hours and meteorological conditions. The SDAB is a CO maintenance area under the federal CAA. This means that SDAB was previously a non-attainment area and is currently implementing a 10-year plan for continuing to meet and maintain air quality standards.

The SDAB is a CO maintenance area (western and central part of the SDAB only). As a screening analysis, the SCAQMD conducted CO modeling for the 2003 AQMP (Appendix V: Modeling and Attainment Demonstrations, SCAQMD 2003) for the four worst-case intersections in the SCAB: (1) Wilshire Boulevard and Veteran Avenue, (2) Sunset Boulevard and Highland Avenue, (3) La Cienega Boulevard and Century Boulevard, and (4) Long Beach Boulevard and Imperial Highway. At the time the 2003 AQMP was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of about 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue. The 2003 AQMP also projected 8-hour CO concentrations at these four intersections for 1997 and from 2002 through 2005. From years 2002 through 2005, the maximum 8-hour CO concentration was 3.8 ppm at the Sunset Boulevard and Highland Avenue intersection in 2002; the maximum 8-hour CO concentration was 3.4 ppm at the Wilshire Boulevard and Veteran Avenue in 2002.

Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would generate more than 100,000 vehicles per day. The proposed project is anticipated to generate approximately 4,881 vehicle trips per day. Therefore, the proposed project would not be anticipated to increase daily traffic volumes at any study intersection to more than 100,000 vehicles per day, a CO hotspot is not anticipated to occur and associated impacts would be less than significant.

6.4 Odors

SDAPCD Rule 51, commonly referred to as the public nuisance rule, prohibits emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property. The potential for an operation to result in odor complaints from a "considerable" number of persons in the area would be considered to be a significant, adverse odor impact.

Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are of short-term in nature and the odor emissions are expected cease upon the drying or hardening of the odor producing materials. Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors. Furthermore, construction emissions would not exceed City of Chula Vista thresholds. Due to the short-term nature and limited amounts of odor producing materials being utilized, no significant impact related to odors would occur during construction of the proposed project.

Land uses and industrial operations typically associated with odor complains include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, refineries, landfills, dairies, and fiberglass molding. The proposed operations including a site-specific warehouse/distribution use that includes 168,926 square feet of warehouse space, 4,506 square feet of office space, and 4,724 square feet of mezzanine space. The anticipated uses for the proposed industrial use are not typically associated with objectionable odors. Therefore, no significant impact related to odors would occur during the on-going operations of the proposed project.

6.5 Cumulative Regional Air Quality Impacts

Cumulative projects include local development as well as general growth within the project area. However, as with most development, the greatest source of emissions is from mobile sources, which travel well out of the local area. Therefore, from an air quality standpoint, the cumulative analysis would extend beyond any local projects and when wind patterns are considered, would cover an even larger area. Accordingly, the cumulative analysis for the project's air quality must be generic by nature.

The project area is out of attainment for O_3 for federal standards and O_3, PM_{10}, and $PM_{2.5}$ for state standards. Construction and operation of cumulative projects will further degrade the local air quality, as well as the air quality of the SDAB. As discussed previously, the construction related emissions will be below the SCAQMD significance levels utilized by the City and would not result in significant impacts to air quality. Construction will be short-term and consistent with the size and scale of the project. Construction of the project will potentially be conducted at the same time and in the same general vicinity as other major construction projects; however, in accordance with the SCAQMD methodology, projects that do not exceed the SCAQMD criteria or can be mitigated to less than criteria levels are not significant and do not add to the overall cumulative impact. The project does not exceed any of the

thresholds of significance and therefore is not considered to contribute to a significant cumulative impact on air quality.

As stated earlier, the RAQS relies on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and by the county as part of the development of their general plans. It is assumed that a project which conforms to the General Plan, and does not have emissions exceeding operational thresholds discussed in Section 5.1, will not create a cumulatively considerable net increase to ozone since the emissions were accounted for in the RAQS. The project site has a land use designation of Limited Industrial (IL) according to the City of Chula Vista General Plan Land Use Diagram. Per the General Plan, the IL designation is intended for light manufacturing; warehousing; certain public utilities; auto repair; auto salvage yards; and flexible-use projects that combine these uses with associated office space. Therefore, the project would be consistent with the existing general plan and zoning for the City of Chula Vista; therefore, the project would be considered consistent with the RAQS. Furthermore, operational emissions generated by the project would be below the established significance thresholds for criteria pollutants as shown in Table 9, and the project's operational emissions would not result in a cumulatively considerable contribution to the region's poor air quality. Cumulative air quality impacts would, therefore, be less than significant.

6.6 Air Quality Compliance

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and Regional Plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the RAQS. Therefore, this section discusses any potential inconsistencies of the proposed project with the RAQS.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the RAQS and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The RAQS relies on information from CARB and SANDAG, including projected growth in the County, mobile, area, and all other source emissions in order to project future emissions and determine strategies necessary for the reduction of stationary source emissions. Those projects that propose development that is consistent with the City's General Plan are; therefore, consistent with the RAQS.

According to demographic and socioeconomic estimates provided by the SANDAG Fast Facts, the City of Chula Vista is forecast to increase the number of jobs by 109 percent between 2000 and 2050 from 53,731 jobs to 121,551 jobs (SANDAG 2011).[5] The project is an industrial use that would include additional employees in the area, and these positions would be expected to be filled by Chula Vista

[5] https://www.sandag.org/resources/demographics_and_other_data/demographics/fastfacts/chul.htm

residents. Because the project is not residential it would not generate direct population or housing growth and the relatively small employment growth associated with the project would be consistent with SANDAG's employment forecast and the City's General Plan. Therefore, the project is consistent with the RAQS.

7.0 Greenhouse Gas Impact Analysis

7.1 Construction Greenhouse Gas Emissions Impact

The greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 10. The emissions are from all phases of construction. Construction-related emissions are amortized over a 30-year period in conjunction with the proposed project's operational emissions as recommended by Association of Environmental Processionals (AEP 2016).

The total construction emissions amortized over a period of 30 years are estimated at 20.44 metric tons of CO_2e per year. Annual CalEEMod output calculations are provided in Appendix B.

Table 10: Estimated Annual Construction Greenhouse Gas Emissions

Year		Metric Tons Per Year				
	Bio-CO2	NBio-CO2	Total CO2	CH4	N20	CO2e (MT)
2022	0.00	490.61	490.61	0.07	0.02	499.42
2023	0.00	112.00	112.00	0.02	0.00	113.65
Total	0.00	602.61	602.61	0.09	0.03	613.07
					Annualized Construction Emissions	20.44

Notes:
1. $MTCO_2e$=metric tons of carbon dioxide equivalents (includes carbon dioxide, methane and nitrous oxide).
2. The emissions are averaged over 30 years.
* CalEEMod output (Appendix B)

7.2 Operational Greenhouse Gas Emissions Impact

Operational emissions occur over the life of the project. Table 11 shows that the total for the proposed project's emissions (baseline emissions without credit for any reductions from sustainable design and/or regulatory requirements) would be 5,358.63 metric tons of CO_2e per year. Therefore, as the total emissions for the proposed project would not exceed the SCAQMD draft Tier 3 industrial threshold of 10,000 MT of CO2e per year, impacts are considered to be less than significant.

Table 11: Opening Year Project-Related Greenhouse Gas Emissions

Category	Greenhouse Gas Emissions (Metric Tons/Year)[1]					
	Bio-CO2	NonBio-CO_2	CO_2	CH_4	N_2O	CO_2e
Area Sources[2]	0.00	0.01	0.01	0.00	0.00	0.01
Energy Usage[3]	0.00	178.17	178.17	0.01	0.00	178.87
Mobile Sources[4]	0.00	4,813.80	4,813.80	0.34	0.22	4,887.13
Solid Waste[5]	33.99	0.00	33.99	2.01	0.00	84.22
Water[6]	13.07	131.40	144.47	1.35	0.03	187.97
Subtotal Emissions	47.07	5,123.38	5,170.44	3.71	0.25	**5,338.19**
					Amortized Construction Emissions	**20.44**
					Total Emissions	**5,358.63**
					Threshold	**10,000**
					Exceeds Threshold?	**No**

Notes:
[1] Source: CalEEMod Version 2020.4.0
[2] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscape equipment.

[3] Energy usage consist of GHG emissions from electricity and natural gas usage.
[4] Mobile sources consist of GHG emissions from vehicles.
[5] Solid waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction GHG emissions based on a 30 year amortization rate.

7.3 Greenhouse Gas Plan Consistency

The proposed project could have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. The project's GHG impacts are evaluated by assessing the project's consistency with applicable statewide, regional, and local GHG reduction plans and strategies.

The Office of Planning and Research (OPR) encourages lead agencies to make use of programmatic mitigation plans and programs from which to tier when they perform individual project analyses. The City has adopted the City of Chula Vista CAP which encourage and require applicable projects to implement energy efficiency measures. In addition, the California Climate Action Team (CAT) Report provides recommendations for specific emission reduction strategies for reducing GHG emissions and reaching the targets established in AB 32 and Executive Order S-3-05. On a statewide level, the 2008 Climate Change Scoping Plan provides measures to achieve AB 32 targets. On a regional level, the SANDAG's Regional Plan contains measures to achieve VMT reductions required under SB 375. Thus, if the project complies with these plans, policies, regulations, and requirements, the project would result in a less than significant impact because it would be consistent with the overarching state, regional, and local plans for GHG reduction.

A consistency analysis is provided below and describes the project's compliance with or exceedance of performance-based standards included in the regulations outlined in the applicable portions of the City of Chula Vista CAP, 2008 and 2017 Climate Change Scoping Plan, and SANDAG's Regional Plan.

City of Chula Vista CAP Consistency Analysis

The focus of the City's updated CAP included promoting energy- and water-efficient buildings, smart growth and clean transit, zero waste policies, and increased local energy generation and water resources. Table 12 summarizes reduction strategies from the CAP and evaluates project consistency with each strategy. As shown in Table 12, as many of the CAP reduction strategies would be implemented directly by the City they are not applicable to individual development projects. The project would be consistent with all applicable CAP reduction strategies; therefore, the project would not conflict with the CAP.

<Table 12, next page>

Table 12: Project Consistency with the City of Chula Vista Climate Action Plan

Category	Reduction Strategy	Project Consistency
Water Conservation & Reuse		
Water Education and Enforcement	Expand education and enforcement targeting landscape water waste.	Not applicable. The project would not impede efforts to expand education or enforcement targeting landscaping water waste.
Water Efficiency Upgrades	Update the City's Landscape Water Conservation Ordinance to promote more water-wise landscaping designs.	Not applicable. The project would not impede efforts to update the City's Landscape Water Conservation Ordinance.
	Require water-saving retrofits in existing buildings at a specific point in time.	Not applicable. The project does not include the re-use of existing buildings and would not impede efforts to require water-saving retrofits in existing buildings.
Water Reuse Plan & System Installations	Develop a Water Reuse Master Plan to maximize the use of storm water, graywater, and onsite water reclamation.	Not applicable. The project would not impede efforts to develop a Water Reuse Master Plan. The project will comply with the City's landscape ordinance.
	Streamline complex graywater system's permit review.	Not applicable. The project would not impede efforts to streamline permit review for graywater systems.
Waste Reduction		
Zero Waste Plan	Develop a Zero Waste Plan to supplement statewide green waste, recycling, and plastic bag ban efforts.	Not applicable. The project would not impede efforts to develop a Zero Waste Plan. The site will include onsite recycling storage.
Renewable & Energy Efficient		
Energy Education & Enforcement	Expand education targeting key community segments and facilitating energy performance disclosure.	Not applicable. The project would not impede efforts to expand energy education and performance disclosure.
	Leverage the building inspection process to distribute energy-related information and to deter unpermitted, low performing energy improvements.	Not applicable. The project would not impede efforts to distribute energy related information
Clean Energy Sources	Incorporate Solar Photovoltaic into all new residential and commercial buildings.	Not applicable. The project is an industrial project and would not impede efforts to adopt pre-wiring standards or to develop a solar photovoltaic requirement in residential and commercial buildings.

	Provide more grid-delivered clean energy through Community Choice Aggregation or other mechanism.	Not applicable. The project would not impede efforts to provide grid-delivered clean energy.
Energy Efficiency Upgrades	Expand the City's "cool roof" standards to include re-roofs and western areas.	Not applicable. The project would not impede efforts to revise the City's "cool roof" standards to include re-roofs and western areas. The project will include cool roofs as compliance with Title 24 standards.
	Facilitate more energy upgrades in the community through incentives, permit streamlining and education.	Not applicable. The project would not impede efforts to facilitate energy upgrades in the community.
	Require energy-savings retrofits in existing buildings at a specific point in time.	Not applicable. The project would not impede efforts to require energy savings retrofits in existing buildings.
Robust Urban Forests	Plant more shade trees to save energy, address heat island issues, and improve air quality.	Consistent. The project will be required to plant shade trees within the parking lot, along the project perimeter, etc. as per specifications identified within the City's Municipal Code for industrial uses.
Smart Growth & Transportation		
Complete Streets & Neighborhoods	Incorporate "Complete Streets" principles into municipal capital projects and plans.	Not applicable. The project would not impede efforts to improve municipal capital projects and plans.
	Encourage higher density and mixed-use development in Smart Growth areas, especially around trolley stations and other transit nodes.	Not applicable. The project would not impede efforts to construct additional high density and mixed-use development in Smart Growth areas.
Transportation Demand Management	Utilize bike facilities, transit access/passes and other Transportation Demand Management and congestion management offerings.	Not applicable. The project would not impede efforts to develop Transportation Demand Management and congestion management offerings. Furthermore, the project site is located in close proximity to existing transit stops, with stops located as close as approximately 0.09 miles south of the project site. The project does require a Transportation Demand Management plan.
	Expand bike-sharing, car-sharing, and other "last mile" transportation options.	Not applicable. The project would not impede efforts to develop Transportation Demand Management and congestion management offerings. Furthermore, the project site is located in close proximity to

		existing transit stops, with stops located as close as approximately 0.09 miles south of the project site.
Alternative Fuel Vehicle Readiness	Support the installation of more local alternative fueling stations.	Not applicable. The project would not impede efforts to install more local alternative fueling stations.
	Designate preferred parking for alternative fuel vehicles.	Not applicable. The project would not impede efforts to designate preferred parking for alternative fuel vehicles.
	Design all new residential and commercial buildings to be "Electric Vehicle Ready."	Not applicable. The project is not a residential or commercial use; however, it would be designed to comply with 2019 CalGreen requirements for provisions of electric vehicle charging equipment.
Notes: [1] Source: Chula Vista Climate Action Plan, September 2017.		

Consistency with SANDAG's San Diego Forward: the Regional Plan

Regarding consistency with SANDAG's Regional Plan, the proposed project would include site design elements and project design features developed to support the policy objectives of the RTP and SB 375.

Table 13 illustrates the proposed project's consistency with all applicable goals and policies of the Regional Plan (SANDAG 2015).

Table 13: Project Consistency with San Diego Forward: The Regional Plan[1]

Category	Policy Objective or Strategy	Consistency Analysis
The Regional Plan - Policy Objectives		
Mobility Choices	Provide safe, secure, healthy, affordable, and convenient travel choices between the places where people live, work, and play.	Consistent. The proposed project is be located near MTS bus route 703/704 and Interstate 805.
Mobility Choices	Take advantage of new technologies to make the transportation system more efficient and environmentally friendly.	Not applicable. The proposed project would not impair SANDAG's ability to employ new technologies to make travel more reliable and convenient.
Habitat and Open Space Preservation	Focus growth in areas that are already urbanized, allowing the region to set aside and restore more open space in our less developed areas.	Consistent. The proposed project is surrounded by existing residential and commercial development and would be located close to major urban centers. Furthermore, the proposed project would also be a

		source of employment.
Habitat and Open Space Preservation	Protect and restore our region's urban canyons, coastlines, beaches, and water resources.	Not Applicable. The proposed project would not impair the ability of SANDAG to protect and restore urban canyons, coastlines, beaches, and water resources. Furthermore, the proposed project is located in an already developed area.
Regional Economic Prosperity	Invest in transportation projects that provide access for all communities to a variety of jobs with competitive wages.	Not Applicable. The proposed project would not impair the ability of SANDAG to invest in transportation projects available to all members of the Community.
Regional Economic Prosperity	Build infrastructure that makes the movement of freight in our community more efficient and environmentally friendly.	Consistent. The project proposes the development of the site with a site specific warehouse/distribution building and the site is located near Interstate 805.
Partnerships/Collaboration	Collaborate with Native American tribes, Mexico, military bases, neighboring counties, infrastructure providers, the private sector, and local communities to design a transportation system that connects to the mega-region and national network, works for everyone, and fosters a high quality of life for all.	Not Applicable. The proposed project would not impair the ability of SANDAG to provide transportation choices to better connect the San Diego region with Mexico, neighboring counties, and tribal nations.
Partnerships/Collaboration	As we plan for our region, recognize the vital economic, environmental, cultural, and community linkages between the San Diego region and Baja California.	Not Applicable. The proposed project would not impair the ability of SANDAG to provide transportation choices to better connect the San Diego region with Mexico.
Healthy and Complete Communities	Create great places for everyone to live, work, and play.	Consistent. The proposed project is an industrial project with a current land use designation of Limited Industrial (IL) according to the City of Chula Vista General Plan Land Use Diagram. The proposed industrial project is located near MTS bus route 703/704 and Interstate 805. The project site is also surrounded by existing residential and commercial uses.

Healthy and Complete Communities	Connect communities through a variety of transportation choices that promote healthy lifestyles, including walking and biking.	Consistent. The proposed project is an industrial project located near MTS bus route 703/704 and Interstate 805. The project site is also surrounded by existing residential and commercial uses.
Environmental Stewardship	Make transportation investments that result in cleaner air, environmental protection, conservation, efficiency, and sustainable living.	Consistent. The proposed project is an industrial project located near MTS bus route 703/704 and Interstate 805.
Environmental Stewardship	Support energy programs that promote sustainability.	Consistent. The proposed project would be in compliance with the current building standards.
Sustainable Communities Strategy - Strategies		
Strategy Number 1	Focus housing and job growth in urbanized areas where there is existing and planned transportation infrastructure, including transit.	Consistent. The proposed project would be located close to major urban centers as it is located near MTS bus route 703/704 and Interstate 805 and is surrounded by existing commercial and residential development. Furthermore, the proposed project would also be a source of employment.
Strategy Number 2	Protect the environment and help ensure the success of smart growth land use policies by preserving sensitive habitat, open space, cultural resources, and farmland.	Consistent. The proposed project would be located close to major urban centers as it is located near MTS bus route 703/704 and Interstate 805 and is surrounded by existing commercial and residential development.
Strategy Number 3	Invest in a transportation network that gives people transportation choices and reduces greenhouse gas emissions.	Consistent. The proposed project is an industrial project located near MTS bus route 703/704 and Interstate 805.
Strategy Number 4	Address the housing needs of all economic segments of the population.	Not Applicable. The proposed project would not impair the ability of SANDAG to address housing needs of all economic segments of the population.
Strategy Number 5	Implement the Regional Plan through incentives and collaboration.	Not Applicable. The proposed project would not impair the ability of SANDAG to implement the Regional Transportation Plan through incentives and collaborations.

Notes:
MTS = San Diego Metropolitan Transit System; SANDAG = San Diego Association of Governments.

[1] Source: SANDAG, 2015.

As shown in Table 13, the proposed project is consistent with all applicable Regional Plan Policy Objectives or Strategies. Impacts would be less than significant.

CARB Scoping Plan Consistency

The ARB Board approved a Climate Change Scoping Plan in December 2008. The Scoping Plan outlines the State's strategy to achieve the 2020 greenhouse gas emissions limit. The Scoping Plan "proposes a comprehensive set of actions designed to reduce overall greenhouse gas emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (California Air Resources Board 2008). The measures in the Scoping Plan have been in place since 2012.

In November 2017, CARB release the 2017 Scoping Plan. This Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts and identifies new policies and actions to accomplish the State's climate goals, and includes a description of a suite of specific actions to meet the State's 2030 GHG limit. In addition, Chapter 4 provides a broader description of the many actions and proposals being explored across the sectors, including the natural resources sector, to achieve the State's mid and long-term climate goals.

Guided by legislative direction, the actions identified in the 2017 Scoping Plan reduce overall GHG emissions in California and deliver policy signals that will continue to drive investment and certainty in a low carbon economy. The 2017 Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and Trade Program, which constrains and reduces emissions at covered sources.

As the latest, 2017 Scoping Plan builds upon previous versions, project consistency with applicable strategies of both the 2008 and 2017 Plan are assessed in Table 14. As shown in Table 14, the project is consistent with the applicable strategies and would result in a less than significant impact.

Table 14: Project Consistency with CARB Scoping Plan Policies and Measures[1]

2008 Scoping Plan Measures to Reduce Greenhouse Gas Emissions	Project Compliance with Measure
California Light-Duty Vehicle Greenhouse Gas Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.

Energy Efficiency – Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	Consistent. The project will be compliant with the current Title 24 standards.
Low Carbon Fuel Standard – Develop and adopt the Low Carbon Fuel Standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Vehicle Efficiency Measures – Implement light-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Medium/Heavy-Duty Vehicles – Adopt medium and heavy-duty vehicle efficiency measures.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Green Building Strategy – Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes voluntary standards, that are mandatory in the 2019 edition of the Code, on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The project will be subject to these mandatory standards.
High Global Warming Potential Gases – Adopt measures to reduce high global warming potential gases.	Consistent. CARB identified five measures that reduce HFC emissions from vehicular and commercial refrigeration systems; vehicles that access the project that are required to comply with the measures will comply with the strategy.
Recycling and Waste – Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The state is currently developing a regulation to reduce methane emissions from municipal solid waste landfills. The project will be required to comply with City programs, such as any City recycling and waste reduction programs, which comply, with the 75 percent reduction required by 2020 per AB 341.
Water – Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project will comply with all applicable City ordinances and CAL Green requirements.
2017 Scoping Plan Recommended Actions to Reduce Greenhouse Gas Emissions	**Project Compliance with Recommended Action**
Implement Mobile Source Strategy: Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Car regulations.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.

Implement Mobile Source Strategy: At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 and at least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NOX standard.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement Mobile Source Strategy: Last Mile Delivery: New regulation that would result in the use of low NOX or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.	Consistent. These are CARB enforced standards; vehicles that access the project that are required to comply with the standards will comply with the strategy.
Implement SB 350 by 2030: Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The project will be compliant with the current Title 24 standards.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Consistent. The project will be required to comply with City programs, such as any City recycling and waste reduction programs, which comply, with the 75 percent reduction required by 2020 per AB 341.
Notes: [1] Source: CARB Scoping Plan (2008 and 2017)	

Therefore, the project will not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Impacts are considered to be less than significant.

8.0 Health Risk Assessment

8.1 Diesel Emissions Health Risk Assessment

The on-going operation of the proposed project would generate toxic air contaminant emissions from diesel truck emissions. According to OEHHA methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 30-year lifetime will contract cancer, based on the use of revised Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology.[6]

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

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

8.1.1 Health Risk Assessment Assumptions

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

Emission Source Estimates – DPM for Motor Vehicles

DPM emissions from the various sources were calculated using information derived from the project description, and mobile source emission factors from the CARB EMFAC2017 emissions factor model. Truck mix information was obtained from the trip generation via an email provided by Linscott, Law, & Greenspan Engineers, shown in Appendix C.

[6] In February 2015, the Office of Environmental Health Hazard Assessment updated their "Air Toxics Hot Spots Program, Risk Assessments Guidelines, Guidance Manual for Preparation of Health Risk Assessments; however, the updated OEHHA guidance states in the page footers "do not cite or quote." SCAQMD staff have incorporated the updates into their methodology for SCAQMD's Rules 1401, 1401.1, 1402, and 212, and have updated their HRA Guidance for permitting; however, they are still in the process of updating the guidance for CEQA analyses (via working group sessions); however, to be conservative, the new OEHHA guidance was used to assess HRA impacts in this analysis.

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

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

Estimate of Vehicle Trips and Vehicle Types

The provided trip generation information showed the project is expected to generate approximately 4,881 (non-passenger car equivalents) vehicle trips per day. Of those vehicle trips, 132 are 4+-axle truck round trips per day (non-passenger car equivalents).[7]

Estimate of Emission Factors

The DPM emission factors for the various vehicle types were derived from the CARB EMFAC2017 mobile source emission model. The emissions factors were derived for San Diego County. Third trimester exposure used opening year (2023) emissions factors, 2-year factors (for infant exposure) reflect years 2023 and 2024, 14-year average factors (for child exposure during years 2-16) reflect emissions during the first 14 years of operation (2025 to 2038), the second 14 years of exposure (years 2039-2052) were used for assessment of exposure during years 16 to 30.

Emissions factors were estimated to establish the emissions generated while the vehicles travel off-site, along travel links from the entrance to the loading docks, and while idling at the loading dock during loading or unloading materials. All vehicles were assumed to travel on-site at a speed of 10 miles per hour. Off-site, the speeds along the roads were anticipated to average 35 miles per hour. Delivery vehicles were assumed to idle for a maximum of 15 minutes per vehicle per day (5 minutes per location: at loading and truck parking areas), in keeping with the CARB Air Toxic Control Measure (ATCM), which regulates truck idling time (CARB 2005). The four different sets of emissions factors used in this assessment are detailed in Table 15. It should be noted that the DPM emissions on both the gram per mile and gram per idle hour bases decline beyond 2023 for all vehicle classes and in particular the heavy-heavy-duty truck class (the 4+ axle “big rig” trucks). This is due to the CARB emissions’ requirements on heavy-duty trucks that call for either the replacement of older trucks with cleaner trucks or the installation of diesel particulate matter filters on the truck fleet.

[7] Trip Generation Table and email from Linscott, Law & Greenspan, Engineers are provided in Appendix C. As the 132 trucks were identified as larger truck-trailers, to be conservative, all 132 truck trips were assumed to be heavy-heavy duty trucks in the HRA modeling.

Emission Source Characterization

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. Table 15 provides a summary of the assumptions used to configure the various emission sources. The following definitions are used to characterize the emission source geometrical configurations referred to in Table 15:

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

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

Exhibit C provides the location of the project buildings, emission source locations, and the locations of the nearest sensitive receptors (single-family detached residential dwelling units located adjacent to the project's western property line, to the north of the project, and along Main Street and the 805 Freeway on-ramps). Residential receptors are shown as orange triangles labeled 1 through 10. The direction of on-site and off-site truck travel were obtained from either the site plan and/or based on City truck routes and location of nearest freeways.

Table 15: DPM Emissions Factors[1]

Vehicle Class	14-Year Average (First 14 years of Operation - 2025-2038)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.19651	0.03328	0.01504
Medium Heavy Duty Truck	0.03054	0.00525	0.00375
Heavy Heavy Duty Truck	0.06543	0.01159	0.00885

Vehicle Class	14-Year Average (Second 14 years of Operation - 2039-2052)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.15465	0.02840	0.01416
Medium Heavy Duty Truck	0.02499	0.00433	0.00361
Heavy Heavy Duty Truck	0.05351	0.00955	0.00796

Vehicle Class	2-Year Average (2023-2024)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.27215	0.04243	0.01700
Medium Heavy Duty Truck	0.04108	0.00697	0.00392
Heavy Heavy Duty Truck	0.08755	0.01505	0.01020

Vehicle Class	1-Year Average (Opening Year-2022)		
	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)
Light Heavy Duty Truck 2	0.29932	0.04582	0.01781
Medium Heavy Duty Truck	0.31208	0.05278	0.02937
Heavy Heavy Duty Truck	0.30984	0.04653	0.02200

[1] Source: EMFAC2017.

8.1.2 Receptor Network

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations surrounding the project. Discrete receptors were located at existing sensitive residential receptors surrounding the proposed project (as detailed above). Discrete receptors are identified as orange triangles and numbered 1 through 10. In addition, the identified sensitive receptor's locations were supplemented by the specification of a modeling grid that extended around the proposed project to identify other potential locations of impact. See Exhibit C for details.

8.1.3 Dispersion Modeling

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

Model Selection

The assessment of air quality and health risk impacts from pollutant emissions from this project applied the USEPA AERMOD Model, which is an air dispersion model accepted by the SDAPCD for performing health risk assessment analyses. AERMOD predicts pollutant concentrations from point, area, volume, line, and flare sources with variable emissions in terrain from flat to complex with the inclusion of building downwash effects from buildings on pollutant dispersion (as applicable). It captures the essential atmospheric physical processes and provides reasonable estimates over a wide range of meteorological conditions and modeling scenarios.

General Model Assumptions

A summary of Emission Configurations is shown in Table 15. The basic options used in the dispersion modeling are summarized in Table 17.

As indicated in Table 16 the analysis takes into account the effects of building downwash on the dispersion of emissions from the various sources located on the project's property. Building downwash occurs when the aerodynamic turbulence, induced by nearby buildings, causes pollutants emitted from an elevated source to be mixed rapidly toward the ground (downwash), resulting in potentially higher

ground-level concentrations than if the buildings were not present. The AERMOD dispersion model contains algorithms to account for building downwash effects. The required information includes the location of the emission source; the location of adjacent buildings; and the building geometry in terms of length, width, and height. For purposes of this analysis, the emission source and building locations were taken from the project site plan. The proposed building geometries were estimated from the project plans, assuming a building height of 40 feet.

Table 16: Summary of Emission Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
Off-Site Diesel Truck Traffic	Line Sources	Stack release height: 12 feet
		Vehicle speed: 35 mph
		Length of the line source (Shinohara Ln from project driveway to Brandywine Ave, Brandywine Ave from Shinohara Ln to Main St, Main Street from Brandywine Ave to 805 Fwy, 805 Fwy NB Ramp, & 805 Freeway SB Ramp)
		Vehicle types: heavy-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2017
On-Site Diesel Truck Traffic	Line Sources	Stack release height: 12 feet
		Vehicle speed: 10 mph
		Length of the line source (distance from the facility entrance to the loading docks)
		Vehicle types: heavy-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2017
On-Site Diesel Truck Idling	Point Sources located at the loading dock	Stack release height: 12 feet
		Stack release characteristics
		> Stack diameter: 0.1 meter (0.3 feet)
		> Stack velocity: 51.9 mps (170 feet/sec)
		> Stack temperature: 366 °k (200° F)
		Idle time: 15 minutes per truck per day
		Vehicle types: heavy-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2017

Table 17: General Modeling Assumptions – AERMOD Model

Feature	Option Selected
Terrain processing	AERMAP-generated NED GEOTIFF 30 m
Regulatory dispersion options	See Table 15
Land use	Rural
Coordinate system	UTM Zone 11 North
Building downwash	Included in calculations
Receptor height	0 meters above ground (per OEHHA methodology)
Meteorological data	SDAPCD Brown Field Municipal Airport Meteorological Data

Meteorological Data

Meteorological data from the Brown Field Municipal Airport station was selected for this modeling application.[8] The meteorological input files were processed using AERMET program from Lakes Environmental. They are developed based on the five years data sets covering 1/1/2009 to 1/2/2014 (Exhibit D shows a Wind Rose for Brown Field Municipal Airport).

8.1.4 Estimation of Health Risks

Health risks from diesel particulate matter are twofold. First, diesel particulate matter is a carcinogen according to the State of California. Second, long-term chronic exposure to diesel particulate matter can cause health effects to the respiratory system. Each of these health risks is discussed below. Health risk calculations were based on the most-recent Office of Environmental Health Hazard Assessment guidance as detailed below.

[8] Source: https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files

Exhibit C

AERMOD Model Source and Receptor Placement

Cancer Risks

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

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

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

Where:
DBR [Daily breathing rate (L/kg body weight – day)] = 261 for adults, 572 for children, and 1,090 for infants, and 361 for 3rd trimester per OEHHA guidance.
A [Inhalation absorption factor] = 1
EF [Exposure frequency (days/year)] = 350
ED [Exposure duration (years)] = 30 for adults (for an individual who is an adult at opening year), 14 for children (from 2-16 years), 14 for adults (from 16-30 years), 2 for infants, and 1 for 3rd Trimester
ASF [Age sensitivity factor) = 10 for 3rd trimester to 2 years of age, 3 for 2 to 16 years of age, and 1 for 16 to 30 years of age
FAH [Fraction of time spent at home] = 1 for 3rd trimester to 2 years of age, 1 for 2 to 16 years of age, and 0.73 for 16 to 30 years of age
10^6 [Micrograms to milligrams conversion]
AT [Average time period over which exposure is averaged in days] = 25,550

The model run results are shown in Appendix C. Exhibit E illustrates the cancer risk to the most affected age-group, infants (0-2 years).

Table 18 show the cancer risk for the unborn child during the 3rd trimester, Table 19 shows the cancer risk to infants (0-2 years), Table 20 shows the cancer risk to children ages 2 to 16 years and Table 21 shows the cancer risk as that child becomes an adult (years 16-30). The highest cancer risk corresponds to infants (0-2 years) (see Table 19), and is at receptor 5, with a maximum risk of 0.51 in one million. The highest child cancer risk 2-16 years is also at receptor 5; with a maximum risk of 0.48 in one million. Therefore, no children or infants are exposed to cancer risks in excess of 10 in a million.

<Table 18, 19, 20, & 21 next page>

Table 18: Carcinogenic Risks and Non-Carcinogenic 3rd Trimester Exposure Scenario (0.25-years) - 2022

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
1	0.0019	1.9E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0004
2	0.0035	3.5E-06	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0007
3	0.0035	3.5E-06	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0007
4	0.002	2.0E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0004
5	0.0034	3.4E-06	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0007
6	0.0029	2.9E-06	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0006
7	0.0025	2.5E-06	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0005
8	0.0011	1.1E-06	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0002
9	0.0007	6.9E-07	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0001
10	0.0007	6.7E-07	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0001

Note: OEHHA 95th percentile exposure factors used to calculate TAC intake:

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

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

Table 19: Carcinogenic Risks and Non-Carcinogenic Infant Exposure Scenario (2-year) – 2023-2024

Receptor	Maximum Concentration		Weight		Carcinogenic Hazards		Noncarcinogenic Hazards		
					CPF	RISK (per million)	REL	RfD	
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)		(ug/m3)	(mg/kg/day)	Index
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	0.0006	5.5E-07	1.00E+00	DPM	1.1E+00	0.18	5.0E+00	1.4E-03	0.0001
2	0.001	1.0E-06	1.00E+00	DPM	1.1E+00	0.34	5.0E+00	1.4E-03	0.0002
3	0.001	1.0E-06	1.00E+00	DPM	1.1E+00	0.34	5.0E+00	1.4E-03	0.0002
4	0.0007	6.6E-07	1.00E+00	DPM	1.1E+00	0.22	5.0E+00	1.4E-03	0.0001
5	0.0015	1.5E-06	1.00E+00	DPM	1.1E+00	0.51	5.0E+00	1.4E-03	0.0003
6	0.0013	1.3E-06	1.00E+00	DPM	1.1E+00	0.42	5.0E+00	1.4E-03	0.0003
7	0.0011	1.1E-06	1.00E+00	DPM	1.1E+00	0.35	5.0E+00	1.4E-03	0.0002
8	0.0004	4.0E-07	1.00E+00	DPM	1.1E+00	0.13	5.0E+00	1.4E-03	0.0001
9	0.0002	2.1E-07	1.00E+00	DPM	1.1E+00	0.07	5.0E+00	1.4E-03	0.0000
10	0.0003	2.9E-07	1.00E+00	DPM	1.1E+00	0.10	5.0E+00	1.4E-03	0.0001

Note: OEHHA 95th percentile exposure factors used to calculate TAC intake:

Exposure Frequency (days/year)	350
Exposure Duration (years)	2.00
Daily Breathing Rate	1090
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	730

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

Table 20: Carcinogenic Risks and Non-Carcinogenic Child Exposure Scenario – 2025-2038

Receptor	Maximum Concentration		Weight		Carcinogenic Hazards		Noncarcinogenic Hazards		
					CPF	RISK (per million)	REL	RfD	
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)		(ug/m3)	(mg/kg/day)	Index
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	0.00042	4.2E-07	1.00E+00	DPM	1.1E+00	0.15	5.0E+00	1.4E-03	0.0001
2	0.00079	7.9E-07	1.00E+00	DPM	1.1E+00	0.29	5.0E+00	1.4E-03	0.0002
3	0.00079	7.9E-07	1.00E+00	DPM	1.1E+00	0.29	5.0E+00	1.4E-03	0.0002
4	0.00052	5.2E-07	1.00E+00	DPM	1.1E+00	0.19	5.0E+00	1.4E-03	0.0001
5	0.00133	1.3E-06	1.00E+00	DPM	1.1E+00	0.48	5.0E+00	1.4E-03	0.0003
6	0.00109	1.1E-06	1.00E+00	DPM	1.1E+00	0.39	5.0E+00	1.4E-03	0.0002
7	0.00091	9.1E-07	1.00E+00	DPM	1.1E+00	0.33	5.0E+00	1.4E-03	0.0002
8	0.00033	3.3E-07	1.00E+00	DPM	1.1E+00	0.12	5.0E+00	1.4E-03	0.0001
9	0.00016	1.6E-07	1.00E+00	DPM	1.1E+00	0.06	5.0E+00	1.4E-03	0.0000
10	0.00025	2.5E-07	1.00E+00	DPM	1.1E+00	0.09	5.0E+00	1.4E-03	0.0001

Note: OEHHA 95th percentile exposure factors used to calculate TAC intake:

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

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

Table 21: Carcinogenic Risks and Non-Carcinogenic Adult Exposure Scenario (16-30 years) – 2039-2052

Receptor	Maximum Concentration		Weight		Carcinogenic Hazards		Noncarcinogenic Hazards		
					CPF	RISK (per million)	REL	RfD	
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)		(ug/m3)	(mg/kg/day)	Index
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	0.00034	3.4E-07	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0001
2	0.00065	6.5E-07	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0001
3	0.00065	6.5E-07	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0001
4	0.00044	4.4E-07	1.00E+00	DPM	1.1E+00	0.02	5.0E+00	1.4E-03	0.0001
5	0.0012	1.2E-06	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0002
6	0.00098	9.8E-07	1.00E+00	DPM	1.1E+00	0.04	5.0E+00	1.4E-03	0.0002
7	0.00081	8.1E-07	1.00E+00	DPM	1.1E+00	0.03	5.0E+00	1.4E-03	0.0002
8	0.00029	2.9E-07	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0001
9	0.00013	1.3E-07	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0000
10	0.00022	2.2E-07	1.00E+00	DPM	1.1E+00	0.01	5.0E+00	1.4E-03	0.0000

Note: OEHHA 95th percentile exposure factors used to calculate TAC intake:

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

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

Estimated cancer risk was based on a conservative maximum duration that a long-term resident might live on the property, i.e. 30 years. Based on these conservative assumptions, the 30.25-year, cumulative carcinogenic health risk (3rd trimester [-0.25 to 0 years] + infant [0-2 years] + child [2-16 years] + adult [16-30 years]) to an individual born during the opening year of the project, and located in the project vicinity for the entire 30-year duration, is a maximum of 1.08 in a million at receptor location 5, as shown in Table 22.

Table 22: Cumulative Carcinogenic Risk 30.25-Year Exposure Scenario

Receptor ID	Cumulative RISK (per million)
1	0.37
2	0.70
3	0.70
4	0.45
5	1.08
6	0.89
7	0.74
8	0.28
9	0.14
10	0.20

Therefore, as the residential cancer risk does not exceed 10 in a million, the on-going operations of the proposed project would result in a less than significant impact due to the cancer risk from diesel emissions created by the proposed project.

Non-Cancer Risks

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

HIDPM = CDPM/RELDPM

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

The non-carcinogenic hazards to adult, child and infant receptors are also detailed in Tables 18 through 21 column (j). The RELDPM is 5 µg/m3. The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. Using the maximum DPM concentration from years 2022-2052, the resulting Hazard Index is:

HIDPM = 0.0035/5 = 0.0007

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

Exhibit D

Wind Rose – Brown Field Municipal Airport

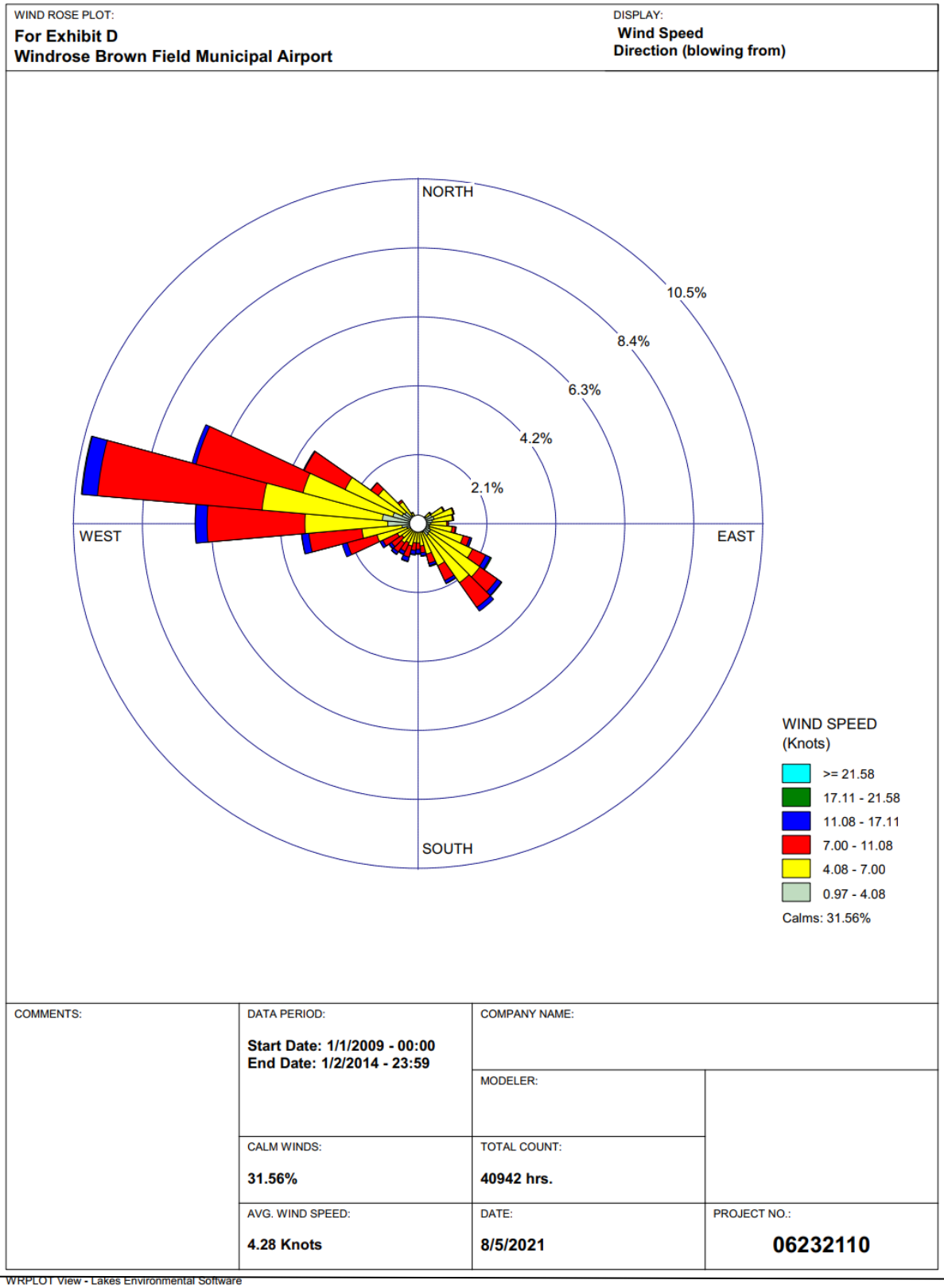
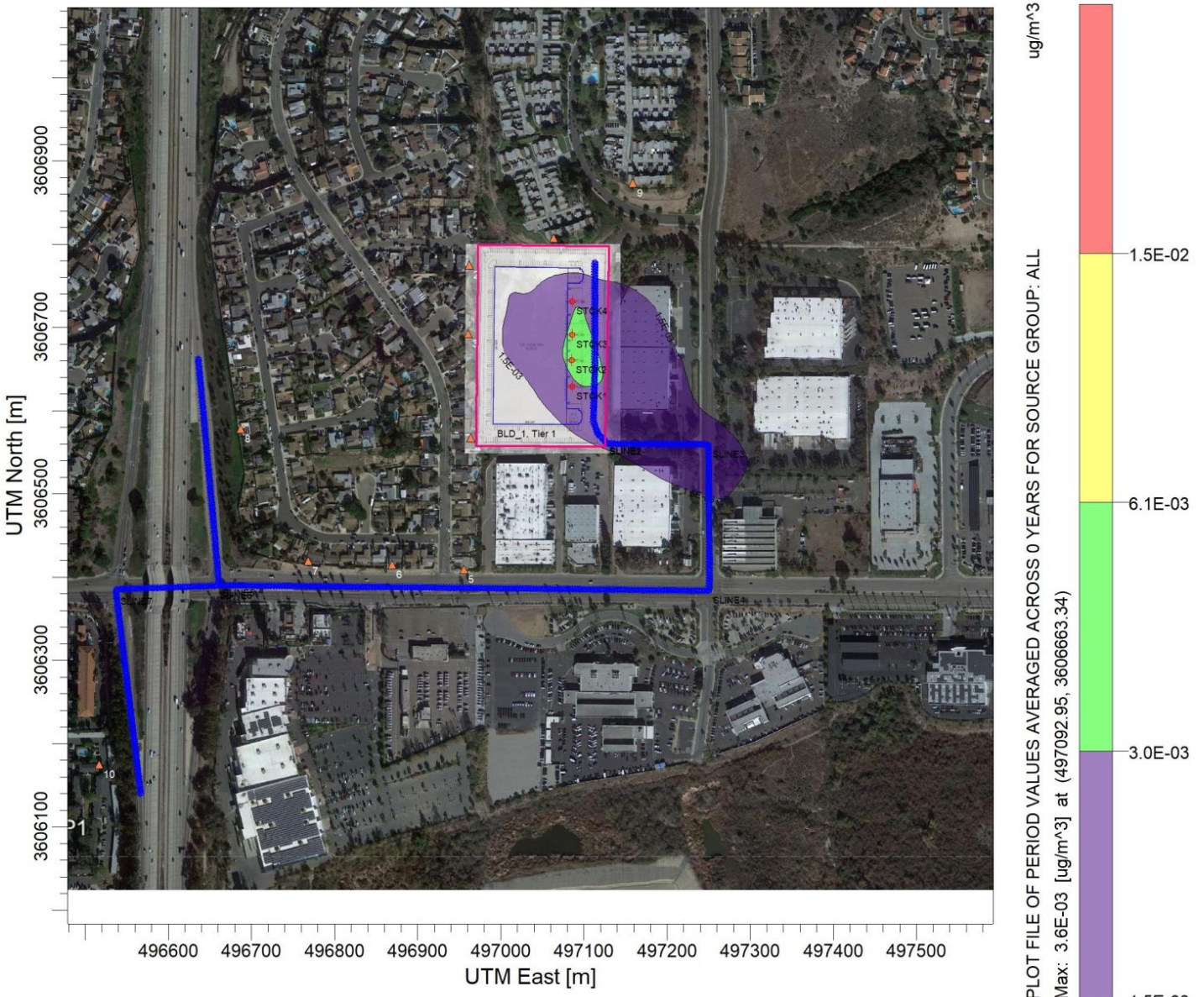


Exhibit E

Unmitigated Annual DPM Emissions – Infants 2023 - 2024



Legend

Cancer Risk to Infants

Red = 5 in a million
Yellow = 2 in a million
Green = 1 in a million
Purple = 0.5 in a million

SCALE: 1:7,500

0 0.2 km

9.0 References

The following references were used in the preparing this analysis.

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2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District (SCAQMD)
20008 Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold. October 2008.

2009 Greenhouse Gas CEQA Significance Threshold Stakeholder Working Group 14. November 19, 2009.

2019 South Coast AQMD Air Quality Significance Thresholds. April.

San Diego County
2007 County of San Diego Guidelines for Determining Significance and Report Format and Content Requirements: Air Quality. March 19.
2018 County of San Diego Guidelines for Determining Significance Climate change. January 2018.

San Diego Association of Governments (SANDAG)
2015 SANDAG Data Surfer. http://datasurfer.sandag.org/
2016 2016 Regional Transportation Improvement Program
2021 2021 Regional Plan. https://sdforward.com/mobility-planning/2021-regional-plan.

San Diego Air Pollution Control District
2017 Annual Air Quality Monitoring Network Plan 2016. June 30.

2020 ”Attainment Status” https://www.sandiegocounty.gov/content/sdc/apcd/en/air-quality-planning/attainment-status.html

Linscott, Law & Greenspan, Engineers
2022 Local Mobility Analysis – Chula Vista Shinohara. February 17.

Appendix A:

CalEEMod Daily Emission Output

06232110 Shinohara Chula Vista - San Diego County, Summer

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

06232110 Shinohara Chula Vista

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	178.16	1000sqft	4.53	178,156.00	0
Other Non-Asphalt Surfaces	2.44	Acre	2.44	106,286.40	0
Parking Lot	221.00	Space	2.75	88,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 9.72 ac w/ 178.16 TSF industrial bldg (amazon) (includes 4,506 sf office and 4,724 st mezzanine), ~25% site landscaping/hardscape (~2.44 ac), parking lot w/ 221 spaces, & rmndr (~0.76 ac) paving drive/loading areas (added under parking lot acreage/sf).

Construction Phase - Site vacant, no demo/site prep. CalEEMod defaults used for construction phase timing (G, BC, & P). Building, paving, & AC may overlap.

Grading - Per site plan, net export of 5,000 cubic yards.

Architectural Coating - Assumed compliance with SDAPCD Rule 67.0.1.

Vehicle Trips - Per proposed project trip gen provided by Linscott, Law & Greenspan Engineers, site specific trip gen of 4,881 per day.

Area Coating - Assumed compliance with SDAPCD Rule 67.0.1.

Construction Off-road Equipment Mitigation - Assumed compliance with SDAPCD Rules 52 and 54, watering watering 2x.

Mobile Land Use Mitigation - Site is ~0.09 miles north of SDMTS Rte 703 & 704 (auto prk dr & oleander ave). Site is ~4.16 miles SE of downtown portion of Chula Vista. Sidewalks on/connecting off-site.

06232110 Shinohara Chula Vista - San Diego County, Summer

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

Area Mitigation - Assumed compliance with SDAPCD Rule 67.0.1.

Water Mitigation - 20% indoor water reduction per CalGreen Standards. Water-efficient irrigation systems.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblGrading	MaterialExported	0.00	5,000.00
tblLandUse	LandUseSquareFeet	178,160.00	178,156.00
tblLandUse	LotAcreage	4.09	4.53
tblLandUse	LotAcreage	1.99	2.75
tblVehicleTrips	ST_TR	1.74	27.40
tblVehicleTrips	SU_TR	1.74	27.40
tblVehicleTrips	WD_TR	1.74	27.40

2.0 Emissions Summary

06232110 Shinohara Chula Vista - San Diego County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.3005	25.9590	21.5195	0.0517	7.7875	0.9904	8.7779	3.6126	0.9130	4.5256	0.0000	5,153.5591	5,153.5591	1.0360	0.3459	5,274.2211
2023	44.2712	17.2665	20.9643	0.0508	1.7029	0.7226	2.4254	0.4610	0.6801	1.1411	0.0000	5,069.8764	5,069.8764	0.7170	0.2240	5,153.6117
Maximum	**44.2712**	**25.9590**	**21.5195**	**0.0517**	**7.7875**	**0.9904**	**8.7779**	**3.6126**	**0.9130**	**4.5256**	**0.0000**	**5,153.5591**	**5,153.5591**	**1.0360**	**0.3459**	**5,274.2211**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.3005	25.9590	21.5195	0.0517	3.8728	0.9904	4.8632	1.7260	0.9130	2.6390	0.0000	5,153.5591	5,153.5591	1.0360	0.3459	5,274.2211
2023	44.2712	17.2665	20.9643	0.0508	1.7029	0.7226	2.4254	0.4610	0.6801	1.1411	0.0000	5,069.8764	5,069.8764	0.7170	0.2240	5,153.6117
Maximum	**44.2712**	**25.9590**	**21.5195**	**0.0517**	**3.8728**	**0.9904**	**4.8632**	**1.7260**	**0.9130**	**2.6390**	**0.0000**	**5,153.5591**	**5,153.5591**	**1.0360**	**0.3459**	**5,274.2211**

06232110 Shinohara Chula Vista - San Diego County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.25	0.00	34.94	46.31	0.00	33.29	0.00	0.00	0.00	0.00	0.00	0.00

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Energy	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Mobile	14.8336	15.4804	135.0674	0.2947	30.0020	0.2233	30.2253	7.9921	0.2083	8.2004		30,316.4680	30,316.4680	1.9883	1.2621	30,742.2698
Total	**19.8959**	**15.5597**	**135.1747**	**0.2951**	**30.0020**	**0.2295**	**30.2314**	**7.9921**	**0.2145**	**8.2066**		**30,411.3045**	**30,411.3045**	**1.9904**	**1.2638**	**30,837.6751**

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	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Energy	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Mobile	12.4248	11.3137	97.6869	0.1991	20.0457	0.1557	20.2015	5.3399	0.1452	5.4851		20,488.5105	20,488.5105	1.5142	0.9355	20,805.1299
Total	**17.4871**	**11.3930**	**97.7942**	**0.1996**	**20.0457**	**0.1619**	**20.2076**	**5.3399**	**0.1514**	**5.4913**		**20,583.3469**	**20,583.3469**	**1.5163**	**0.9372**	**20,900.5352**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	12.11	26.78	27.65	32.37	33.19	29.45	33.16	33.19	29.43	33.09	0.00	32.32	32.32	23.82	25.84	32.22

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/10/2022	4/6/2022	5	20	
2	Building Construction	Building Construction	4/7/2022	2/22/2023	5	230	
3	Paving	Paving	2/23/2023	3/22/2023	5	20	
4	Architectural Coating	Architectural Coating	3/23/2023	4/19/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 267,234; Non-Residential Outdoor: 89,078; Striped Parking Area: 11,681 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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

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

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
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
Grading	6	15.00	0.00	625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	157.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1177	0.0000	7.1177	3.4301	0.0000	3.4301			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.1177**	**0.9409**	**8.0586**	**3.4301**	**0.8656**	**4.2956**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.1401	5.0754	1.2337	0.0196	0.5466	0.0489	0.5955	0.1498	0.0468	0.1966		2,158.8111	2,158.8111	0.1038	0.3429	2,263.6011
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
Total	**0.1838**	**5.1039**	**1.6227**	**0.0207**	**0.6698**	**0.0496**	**0.7194**	**0.1825**	**0.0474**	**0.2299**		**2,273.2018**	**2,273.2018**	**0.1071**	**0.3459**	**2,378.9527**

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

3.2 Grading - 2022

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					3.2030	0.0000	3.2030	1.5435	0.0000	1.5435			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.2030**	**0.9409**	**4.1438**	**1.5435**	**0.8656**	**2.4091**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.1401	5.0754	1.2337	0.0196	0.5466	0.0489	0.5955	0.1498	0.0468	0.1966		2,158.8111	2,158.8111	0.1038	0.3429	2,263.6011
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
Total	**0.1838**	**5.1039**	**1.6227**	**0.0207**	**0.6698**	**0.0496**	**0.7194**	**0.1825**	**0.0474**	**0.2299**		**2,273.2018**	**2,273.2018**	**0.1071**	**0.3459**	**2,378.9527**

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

3.3 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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1359	3.2440	1.0852	0.0130	0.4131	0.0353	0.4484	0.1189	0.0337	0.1527		1,401.9363	1,401.9363	0.0426	0.2035	1,463.6426
Worker	0.4584	0.2984	4.0709	0.0118	1.2897	7.3000e-003	1.2970	0.3421	6.7200e-003	0.3488		1,197.2892	1,197.2892	0.0344	0.0309	1,207.3469
Total	**0.5943**	**3.5424**	**5.1561**	**0.0248**	**1.7029**	**0.0426**	**1.7454**	**0.4610**	**0.0405**	**0.5015**		**2,599.2255**	**2,599.2255**	**0.0770**	**0.2344**	**2,670.9895**

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

3.3 Building Construction - 2022

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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1359	3.2440	1.0852	0.0130	0.4131	0.0353	0.4484	0.1189	0.0337	0.1527		1,401.9363	1,401.9363	0.0426	0.2035	1,463.6426
Worker	0.4584	0.2984	4.0709	0.0118	1.2897	7.3000e-003	1.2970	0.3421	6.7200e-003	0.3488		1,197.2892	1,197.2892	0.0344	0.0309	1,207.3469
Total	**0.5943**	**3.5424**	**5.1561**	**0.0248**	**1.7029**	**0.0426**	**1.7454**	**0.4610**	**0.0405**	**0.5015**		**2,599.2255**	**2,599.2255**	**0.0770**	**0.2344**	**2,670.9895**

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

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0729	2.6149	0.9423	0.0125	0.4131	0.0159	0.4291	0.1189	0.0152	0.1342		1,348.3864	1,348.3864	0.0409	0.1952	1,407.5884
Worker	0.4293	0.2666	3.7780	0.0114	1.2897	6.9400e-003	1.2967	0.3421	6.3900e-003	0.3485		1,166.2801	1,166.2801	0.0312	0.0287	1,175.6172
Total	**0.5022**	**2.8816**	**4.7203**	**0.0239**	**1.7029**	**0.0229**	**1.7257**	**0.4610**	**0.0216**	**0.4827**		**2,514.6665**	**2,514.6665**	**0.0721**	**0.2240**	**2,583.2056**

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

3.3 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0729	2.6149	0.9423	0.0125	0.4131	0.0159	0.4291	0.1189	0.0152	0.1342		1,348.3864	1,348.3864	0.0409	0.1952	1,407.5884
Worker	0.4293	0.2666	3.7780	0.0114	1.2897	6.9400e-003	1.2967	0.3421	6.3900e-003	0.3485		1,166.2801	1,166.2801	0.0312	0.0287	1,175.6172
Total	**0.5022**	**2.8816**	**4.7203**	**0.0239**	**1.7029**	**0.0229**	**1.7257**	**0.4610**	**0.0216**	**0.4827**		**2,514.6665**	**2,514.6665**	**0.0721**	**0.2240**	**2,583.2056**

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

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3930**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0410	0.0255	0.3610	1.0900e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333		111.4280	111.4280	2.9800e-003	2.7400e-003	112.3201
Total	**0.0410**	**0.0255**	**0.3610**	**1.0900e-003**	**0.1232**	**6.6000e-004**	**0.1239**	**0.0327**	**6.1000e-004**	**0.0333**		**111.4280**	**111.4280**	**2.9800e-003**	**2.7400e-003**	**112.3201**

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

3.4 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3930**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0410	0.0255	0.3610	1.0900e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333		111.4280	111.4280	2.9800e-003	2.7400e-003	112.3201
Total	**0.0410**	**0.0255**	**0.3610**	**1.0900e-003**	**0.1232**	**6.6000e-004**	**0.1239**	**0.0327**	**6.1000e-004**	**0.0333**		**111.4280**	**111.4280**	**2.9800e-003**	**2.7400e-003**	**112.3201**

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

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.9947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**44.1864**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0848	0.0526	0.7460	2.2500e-003	0.2547	1.3700e-003	0.2560	0.0676	1.2600e-003	0.0688		230.2846	230.2846	6.1600e-003	5.6700e-003	232.1282
Total	**0.0848**	**0.0526**	**0.7460**	**2.2500e-003**	**0.2547**	**1.3700e-003**	**0.2560**	**0.0676**	**1.2600e-003**	**0.0688**		**230.2846**	**230.2846**	**6.1600e-003**	**5.6700e-003**	**232.1282**

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

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.9947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**44.1864**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0848	0.0526	0.7460	2.2500e-003	0.2547	1.3700e-003	0.2560	0.0676	1.2600e-003	0.0688		230.2846	230.2846	6.1600e-003	5.6700e-003	232.1282
Total	**0.0848**	**0.0526**	**0.7460**	**2.2500e-003**	**0.2547**	**1.3700e-003**	**0.2560**	**0.0676**	**1.2600e-003**	**0.0688**		**230.2846**	**230.2846**	**6.1600e-003**	**5.6700e-003**	**232.1282**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	12.4248	11.3137	97.6869	0.1991	20.0457	0.1557	20.2015	5.3399	0.1452	5.4851		20,488.5105	20,488.5105	1.5142	0.9355	20,805.1299
Unmitigated	14.8336	15.4804	135.0674	0.2947	30.0020	0.2233	30.2253	7.9921	0.2083	8.2004		30,316.4680	30,316.4680	1.9883	1.2621	30,742.2698

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	4,881.58	4,881.58	4881.58	14,251,839	9,522,333
Total	4,881.58	4,881.58	4,881.58	14,251,839	9,522,333

4.3 Trip Type Information

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

	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
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164
Parking Lot	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164
Unrefrigerated Warehouse-No Rail	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164

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	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
NaturalGas Unmitigated	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116

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					
Other Non-Asphalt Surfaces	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
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	805.363	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Total		**8.6900e-003**	**0.0790**	**0.0663**	**4.7000e-004**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**		**94.7486**	**94.7486**	**1.8200e-003**	**1.7400e-003**	**95.3116**

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

5.2 Energy by Land Use - NaturalGas

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					
Other Non-Asphalt Surfaces	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
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	0.805363	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Total		**8.6900e-003**	**0.0790**	**0.0663**	**4.7000e-004**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**		**94.7486**	**94.7486**	**1.8200e-003**	**1.7400e-003**	**95.3116**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Unmitigated	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937

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	1.1683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Total	**5.0536**	**3.7000e-004**	**0.0410**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0879**	**0.0879**	**2.3000e-004**		**0.0937**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Total	**5.0536**	**3.7000e-004**	**0.0410**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0879**	**0.0879**	**2.3000e-004**		**0.0937**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

06232110 Shinohara Chula Vista - San Diego County, Winter

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

06232110 Shinohara Chula Vista

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	178.16	1000sqft	4.53	178,156.00	0
Other Non-Asphalt Surfaces	2.44	Acre	2.44	106,286.40	0
Parking Lot	221.00	Space	2.75	88,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 9.72 ac w/ 178.16 TSF industrial bldg (amazon) (includes 4,506 sf office and 4,724 st mezzanine), ~25% site landscaping/hardscape (~2.44 ac), parking lot w/ 221 spaces, & rmndr (~0.76 ac) paving drive/loading areas (added under parking lot acreage/sf).

Construction Phase - Site vacant, no demo/site prep. CalEEMod defaults used for construction phase timing (G, BC, & P). Building, paving, & AC may overlap.

Grading - Per site plan, net export of 5,000 cubic yards.

Architectural Coating - Assumed compliance with SDAPCD Rule 67.0.1.

Vehicle Trips - Per proposed project trip gen provided by Linscott, Law & Greenspan Engineers, site specific trip gen of 4,881 per day.

Area Coating - Assumed compliance with SDAPCD Rule 67.0.1.

Construction Off-road Equipment Mitigation - Assumed compliance with SDAPCD Rules 52 and 54, watering watering 2x.

Mobile Land Use Mitigation - Site is ~0.09 miles north of SDMTS Rte 703 & 704 (auto prk dr & oleander ave). Site is ~4.16 miles SE of downtown portion of Chula Vista. Sidewalks on/connecting off-site.

06232110 Shinohara Chula Vista - San Diego County, Winter

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

Area Mitigation - Assumed compliance with SDAPCD Rule 67.0.1.

Water Mitigation - 20% indoor water reduction per CalGreen Standards. Water-efficient irrigation systems.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblGrading	MaterialExported	0.00	5,000.00
tblLandUse	LandUseSquareFeet	178,160.00	178,156.00
tblLandUse	LotAcreage	4.09	4.53
tblLandUse	LotAcreage	1.99	2.75
tblVehicleTrips	ST_TR	1.74	27.40
tblVehicleTrips	SU_TR	1.74	27.40
tblVehicleTrips	WD_TR	1.74	27.40

2.0 Emissions Summary

06232110 Shinohara Chula Vista - San Diego County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.3367	26.1531	21.3418	0.0511	7.7875	0.9905	8.7780	3.6126	0.9131	4.5256	0.0000	5,139.8574	5,139.8574	1.0360	0.3463	5,268.9501
2023	44.2783	17.4097	20.8048	0.0502	1.7029	0.7227	2.4255	0.4610	0.6801	1.1412	0.0000	5,007.6852	5,007.6852	0.7172	0.2267	5,092.3001
Maximum	**44.2783**	**26.1531**	**21.3418**	**0.0511**	**7.7875**	**0.9905**	**8.7780**	**3.6126**	**0.9131**	**4.5256**	**0.0000**	**5,139.8574**	**5,139.8574**	**1.0360**	**0.3463**	**5,268.9501**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.3367	26.1531	21.3418	0.0511	3.8728	0.9905	4.8633	1.7260	0.9131	2.6391	0.0000	5,139.8574	5,139.8574	1.0360	0.3463	5,268.9501
2023	44.2783	17.4097	20.8048	0.0502	1.7029	0.7227	2.4255	0.4610	0.6801	1.1412	0.0000	5,007.6852	5,007.6852	0.7172	0.2267	5,092.3001
Maximum	**44.2783**	**26.1531**	**21.3418**	**0.0511**	**3.8728**	**0.9905**	**4.8633**	**1.7260**	**0.9131**	**2.6391**	**0.0000**	**5,139.8574**	**5,139.8574**	**1.0360**	**0.3463**	**5,268.9501**

06232110 Shinohara Chula Vista - San Diego County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.25	0.00	34.94	46.31	0.00	33.29	0.00	0.00	0.00	0.00	0.00	0.00

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Energy	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Mobile	14.5335	16.7857	138.0193	0.2817	30.0020	0.2234	30.2254	7.9921	0.2084	8.2005		28,991.6281	28,991.6281	2.1029	1.3307	29,440.7546
Total	**19.5957**	**16.8650**	**138.1266**	**0.2822**	**30.0020**	**0.2296**	**30.2315**	**7.9921**	**0.2146**	**8.2067**		**29,086.4645**	**29,086.4645**	**2.1050**	**1.3325**	**29,536.1598**

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	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Energy	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Mobile	12.0552	12.2917	101.7228	0.1905	20.0457	0.1558	20.2016	5.3399	0.1453	5.4852		19,607.7796	19,607.7796	1.6259	0.9897	19,943.3448
Total	**17.1174**	**12.3710**	**101.8301**	**0.1910**	**20.0457**	**0.1620**	**20.2077**	**5.3399**	**0.1515**	**5.4914**		**19,702.6160**	**19,702.6160**	**1.6279**	**0.9914**	**20,038.7501**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	12.65	26.65	26.28	32.31	33.19	29.44	33.16	33.19	29.41	33.09	0.00	32.26	32.26	22.66	25.60	32.16

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/10/2022	4/6/2022	5	20	
2	Building Construction	Building Construction	4/7/2022	2/22/2023	5	230	
3	Paving	Paving	2/23/2023	3/22/2023	5	20	
4	Architectural Coating	Architectural Coating	3/23/2023	4/19/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 267,234; Non-Residential Outdoor: 89,078; Striped Parking Area: 11,681 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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

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

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
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
Grading	6	15.00	0.00	625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	157.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1177	0.0000	7.1177	3.4301	0.0000	3.4301			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.1177**	**0.9409**	**8.0586**	**3.4301**	**0.8656**	**4.2956**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.1365	5.2659	1.2525	0.0196	0.5466	0.0490	0.5955	0.1498	0.0469	0.1967		2,159.7253	2,159.7253	0.1036	0.3431	2,264.5581
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0321	0.3688	1.0600e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		108.0858	108.0858	3.4900e-003	3.1900e-003	109.1237
Total	**0.1838**	**5.2980**	**1.6213**	**0.0207**	**0.6698**	**0.0497**	**0.7195**	**0.1825**	**0.0475**	**0.2300**		**2,267.8110**	**2,267.8110**	**0.1071**	**0.3463**	**2,373.6817**

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

3.2 Grading - 2022

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					3.2030	0.0000	3.2030	1.5435	0.0000	1.5435			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.2030**	**0.9409**	**4.1438**	**1.5435**	**0.8656**	**2.4091**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.1365	5.2659	1.2525	0.0196	0.5466	0.0490	0.5955	0.1498	0.0469	0.1967		2,159.7253	2,159.7253	0.1036	0.3431	2,264.5581
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0321	0.3688	1.0600e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		108.0858	108.0858	3.4900e-003	3.1900e-003	109.1237
Total	**0.1838**	**5.2980**	**1.6213**	**0.0207**	**0.6698**	**0.0497**	**0.7195**	**0.1825**	**0.0475**	**0.2300**		**2,267.8110**	**2,267.8110**	**0.1071**	**0.3463**	**2,373.6817**

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

3.3 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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1347	3.3664	1.1187	0.0130	0.4131	0.0354	0.4485	0.1189	0.0338	0.1528		1,402.6560	1,402.6560	0.0425	0.2038	1,464.4436
Worker	0.4958	0.3356	3.8597	0.0111	1.2897	7.3000e-003	1.2970	0.3421	6.7200e-003	0.3488		1,131.2975	1,131.2975	0.0365	0.0334	1,142.1612
Total	**0.6304**	**3.7020**	**4.9784**	**0.0241**	**1.7029**	**0.0427**	**1.7455**	**0.4610**	**0.0406**	**0.5016**		**2,533.9534**	**2,533.9534**	**0.0790**	**0.2372**	**2,606.6048**

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

3.3 Building Construction - 2022

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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1347	3.3664	1.1187	0.0130	0.4131	0.0354	0.4485	0.1189	0.0338	0.1528		1,402.6560	1,402.6560	0.0425	0.2038	1,464.4436
Worker	0.4958	0.3356	3.8597	0.0111	1.2897	7.3000e-003	1.2970	0.3421	6.7200e-003	0.3488		1,131.2975	1,131.2975	0.0365	0.0334	1,142.1612
Total	**0.6304**	**3.7020**	**4.9784**	**0.0241**	**1.7029**	**0.0427**	**1.7455**	**0.4610**	**0.0406**	**0.5016**		**2,533.9534**	**2,533.9534**	**0.0790**	**0.2372**	**2,606.6048**

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

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0708	2.7250	0.9708	0.0125	0.4131	0.0160	0.4291	0.1189	0.0153	0.1343		1,350.3034	1,350.3034	0.0407	0.1957	1,409.6366
Worker	0.4655	0.2998	3.5900	0.0108	1.2897	6.9400e-003	1.2967	0.3421	6.3900e-003	0.3485		1,102.1719	1,102.1719	0.0333	0.0311	1,112.2575
Total	**0.5364**	**3.0248**	**4.5608**	**0.0233**	**1.7029**	**0.0230**	**1.7258**	**0.4610**	**0.0217**	**0.4827**		**2,452.4753**	**2,452.4753**	**0.0739**	**0.2267**	**2,521.8940**

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

3.3 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0708	2.7250	0.9708	0.0125	0.4131	0.0160	0.4291	0.1189	0.0153	0.1343		1,350.3034	1,350.3034	0.0407	0.1957	1,409.6366
Worker	0.4655	0.2998	3.5900	0.0108	1.2897	6.9400e-003	1.2967	0.3421	6.3900e-003	0.3485		1,102.1719	1,102.1719	0.0333	0.0311	1,112.2575
Total	**0.5364**	**3.0248**	**4.5608**	**0.0233**	**1.7029**	**0.0230**	**1.7258**	**0.4610**	**0.0217**	**0.4827**		**2,452.4753**	**2,452.4753**	**0.0739**	**0.2267**	**2,521.8940**

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

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3930**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0445	0.0287	0.3430	1.0300e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333		105.3031	105.3031	3.1800e-003	2.9700e-003	106.2666
Total	**0.0445**	**0.0287**	**0.3430**	**1.0300e-003**	**0.1232**	**6.6000e-004**	**0.1239**	**0.0327**	**6.1000e-004**	**0.0333**		**105.3031**	**105.3031**	**3.1800e-003**	**2.9700e-003**	**106.2666**

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

3.4 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3930**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0445	0.0287	0.3430	1.0300e-003	0.1232	6.6000e-004	0.1239	0.0327	6.1000e-004	0.0333		105.3031	105.3031	3.1800e-003	2.9700e-003	106.2666
Total	**0.0445**	**0.0287**	**0.3430**	**1.0300e-003**	**0.1232**	**6.6000e-004**	**0.1239**	**0.0327**	**6.1000e-004**	**0.0333**		**105.3031**	**105.3031**	**3.1800e-003**	**2.9700e-003**	**106.2666**

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

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.9947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**44.1864**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0919	0.0592	0.7089	2.1300e-003	0.2547	1.3700e-003	0.2560	0.0676	1.2600e-003	0.0688		217.6263	217.6263	6.5700e-003	6.1300e-003	219.6177
Total	**0.0919**	**0.0592**	**0.7089**	**2.1300e-003**	**0.2547**	**1.3700e-003**	**0.2560**	**0.0676**	**1.2600e-003**	**0.0688**		**217.6263**	**217.6263**	**6.5700e-003**	**6.1300e-003**	**219.6177**

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

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.9947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**44.1864**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0919	0.0592	0.7089	2.1300e-003	0.2547	1.3700e-003	0.2560	0.0676	1.2600e-003	0.0688		217.6263	217.6263	6.5700e-003	6.1300e-003	219.6177
Total	**0.0919**	**0.0592**	**0.7089**	**2.1300e-003**	**0.2547**	**1.3700e-003**	**0.2560**	**0.0676**	**1.2600e-003**	**0.0688**		**217.6263**	**217.6263**	**6.5700e-003**	**6.1300e-003**	**219.6177**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	12.0552	12.2917	101.7228	0.1905	20.0457	0.1558	20.2016	5.3399	0.1453	5.4852		19,607.7796	19,607.7796	1.6259	0.9897	19,943.3448
Unmitigated	14.5335	16.7857	138.0193	0.2817	30.0020	0.2234	30.2254	7.9921	0.2084	8.2005		28,991.6281	28,991.6281	2.1029	1.3307	29,440.7546

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	4,881.58	4,881.58	4881.58	14,251,839	9,522,333
Total	4,881.58	4,881.58	4,881.58	14,251,839	9,522,333

4.3 Trip Type Information

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

	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
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164
Parking Lot	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164
Unrefrigerated Warehouse-No Rail	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164

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	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
NaturalGas Unmitigated	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	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
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	805.363	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Total		**8.6900e-003**	**0.0790**	**0.0663**	**4.7000e-004**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**		**94.7486**	**94.7486**	**1.8200e-003**	**1.7400e-003**	**95.3116**

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					
Other Non-Asphalt Surfaces	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
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	0.805363	8.6900e-003	0.0790	0.0663	4.7000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003		94.7486	94.7486	1.8200e-003	1.7400e-003	95.3116
Total		**8.6900e-003**	**0.0790**	**0.0663**	**4.7000e-004**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**		**94.7486**	**94.7486**	**1.8200e-003**	**1.7400e-003**	**95.3116**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Unmitigated	5.0536	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937

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	1.1683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Total	**5.0536**	**3.7000e-004**	**0.0410**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0879**	**0.0879**	**2.3000e-004**		**0.0937**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0410	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0879	0.0879	2.3000e-004		0.0937
Total	**5.0536**	**3.7000e-004**	**0.0410**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0879**	**0.0879**	**2.3000e-004**		**0.0937**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B:

CalEEMod Annual Emission Output

06232110 Shinohara Chula Vista - San Diego County, Annual

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

06232110 Shinohara Chula Vista

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	178.16	1000sqft	4.53	178,156.00	0
Other Non-Asphalt Surfaces	2.44	Acre	2.44	106,286.40	0
Parking Lot	221.00	Space	2.75	88,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 9.72 ac w/ 178.16 TSF industrial bldg (amazon) (includes 4,506 sf office and 4,724 st mezzanine), ~25% site landscaping/hardscape (~2.44 ac), parking lot w/ 221 spaces, & rmndr (~0.76 ac) paving drive/loading areas (added under parking lot acreage/sf).

Construction Phase - Site vacant, no demo/site prep. CalEEMod defaults used for construction phase timing (G, BC, & P). Building, paving, & AC may overlap.

Grading - Per site plan, net export of 5,000 cubic yards.

Architectural Coating - Assumed compliance with SDAPCD Rule 67.0.1.

Vehicle Trips - Per proposed project trip gen provided by Linscott, Law & Greenspan Engineers, site specific trip gen of 4,881 per day.

Area Coating - Assumed compliance with SDAPCD Rule 67.0.1.

Construction Off-road Equipment Mitigation - Assumed compliance with SDAPCD Rules 52 and 54, watering watering 2x.

Mobile Land Use Mitigation - Site is ~0.09 miles north of SDMTS Rte 703 & 704 (auto prk dr & oleander ave). Site is ~4.16 miles SE of downtown portion of Chula Vista. Sidewalks on/connecting off-site.

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

Area Mitigation - Assumed compliance with SDAPCD Rule 67.0.1.

Water Mitigation - 20% indoor water reduction per CalGreen Standards. Water-efficient irrigation systems.

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblGrading	MaterialExported	0.00	5,000.00
tblLandUse	LandUseSquareFeet	178,160.00	178,156.00
tblLandUse	LotAcreage	4.09	4.53
tblLandUse	LotAcreage	1.99	2.75
tblVehicleTrips	ST_TR	1.74	27.40
tblVehicleTrips	SU_TR	1.74	27.40
tblVehicleTrips	WD_TR	1.74	27.40

2.0 Emissions Summary

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

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					
2022	0.2416	2.1145	2.2158	5.4200e-003	0.2375	0.0917	0.3291	0.0794	0.0861	0.1655	0.0000	490.6085	490.6085	0.0695	0.0238	499.4236
2023	0.4964	0.4462	0.5694	1.2500e-003	0.0353	0.0196	0.0549	9.5600e-003	0.0183	0.0279	0.0000	111.9998	111.9998	0.0185	3.9800e-003	113.6471
Maximum	**0.4964**	**2.1145**	**2.2158**	**5.4200e-003**	**0.2375**	**0.0917**	**0.3291**	**0.0794**	**0.0861**	**0.1655**	**0.0000**	**490.6085**	**490.6085**	**0.0695**	**0.0238**	**499.4236**

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					
2022	0.2416	2.1145	2.2158	5.4200e-003	0.1983	0.0917	0.2900	0.0606	0.0861	0.1467	0.0000	490.6083	490.6083	0.0695	0.0238	499.4233
2023	0.4964	0.4462	0.5694	1.2500e-003	0.0353	0.0196	0.0549	9.5600e-003	0.0183	0.0279	0.0000	111.9998	111.9998	0.0185	3.9800e-003	113.6470
Maximum	**0.4964**	**2.1145**	**2.2158**	**5.4200e-003**	**0.1983**	**0.0917**	**0.2900**	**0.0606**	**0.0861**	**0.1467**	**0.0000**	**490.6083**	**490.6083**	**0.0695**	**0.0238**	**499.4233**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.35**	**0.00**	**10.19**	**21.20**	**0.00**	**9.76**	**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	**3-10-2022**	**6-9-2022**	0.7729	0.7729
2	**6-10-2022**	**9-9-2022**	0.7051	0.7051
3	**9-10-2022**	**12-9-2022**	0.7023	0.7023
4	**12-10-2022**	**3-9-2023**	0.6021	0.6021
5	**3-10-2023**	**6-9-2023**	0.5104	0.5104
		Highest	0.7729	0.7729

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	0.9219	3.0000e-005	3.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1800e-003	7.1800e-003	2.0000e-005	0.0000	7.6500e-003
Energy	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	178.1723	178.1723	0.0102	1.4900e-003	178.8724
Mobile	2.5947	3.0209	24.6393	0.0516	5.3313	0.0406	5.3719	1.4229	0.0379	1.4608	0.0000	4,813.8023	4,813.8023	0.3407	0.2175	4,887.1260
Waste						0.0000	0.0000		0.0000	0.0000	33.9949	0.0000	33.9949	2.0090	0.0000	84.2209
Water						0.0000	0.0000		0.0000	0.0000	13.0707	131.3953	144.4660	1.3505	0.0327	187.9652
Total	**3.5182**	**3.0353**	**24.6551**	**0.0517**	**5.3313**	**0.0417**	**5.3730**	**1.4229**	**0.0390**	**1.4619**	**47.0656**	**5,123.3770**	**5,170.4426**	**3.7105**	**0.2516**	**5,338.1923**

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

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	0.9219	3.0000e-005	3.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1800e-003	7.1800e-003	2.0000e-005	0.0000	7.6500e-003
Energy	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	178.1723	178.1723	0.0102	1.4900e-003	178.8724
Mobile	2.1485	2.2080	18.0779	0.0349	3.5621	0.0283	3.5904	0.9507	0.0264	0.9771	0.0000	3,255.1859	3,255.1859	0.2624	0.1615	3,309.8614
Waste						0.0000	0.0000		0.0000	0.0000	8.4987	0.0000	8.4987	0.5023	0.0000	21.0552
Water						0.0000	0.0000		0.0000	0.0000	10.4566	105.1162	115.5728	1.0804	0.0261	150.3722
Total	**3.0721**	**2.2224**	**18.0937**	**0.0350**	**3.5621**	**0.0294**	**3.5915**	**0.9507**	**0.0275**	**0.9782**	**18.9553**	**3,538.4815**	**3,557.4368**	**1.8553**	**0.1891**	**3,660.1688**

	ROG	NOx	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	**12.68**	**26.78**	**26.61**	**32.33**	**33.19**	**29.44**	**33.16**	**33.18**	**29.43**	**33.09**	**59.73**	**30.93**	**31.20**	**50.00**	**24.85**	**31.43**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/10/2022	4/6/2022	5	20	
2	Building Construction	Building Construction	4/7/2022	2/22/2023	5	230	
3	Paving	Paving	2/23/2023	3/22/2023	5	20	

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

4	Architectural Coating	Architectural Coating	3/23/2023	4/19/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.19

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 267,234; Non-Residential Outdoor: 89,078; Striped Parking Area: 11,681 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Grading	6	15.00	0.00	625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	157.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0712	0.0000	0.0712	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	**0.0195**	**0.2086**	**0.1527**	**3.0000e-004**	**0.0712**	**9.4100e-003**	**0.0806**	**0.0343**	**8.6600e-003**	**0.0430**	**0.0000**	**26.0548**	**26.0548**	**8.4300e-003**	**0.0000**	**26.2654**

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

3.2 Grading - 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	1.3900e-003	0.0526	0.0124	2.0000e-004	5.3500e-003	4.9000e-004	5.8400e-003	1.4700e-003	4.7000e-004	1.9400e-003	0.0000	19.5879	19.5879	9.4000e-004	3.1100e-003	20.5387
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	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985
Total	**1.8200e-003**	**0.0529**	**0.0161**	**2.1000e-004**	**6.5500e-003**	**5.0000e-004**	**7.0500e-003**	**1.7900e-003**	**4.8000e-004**	**2.2700e-003**	**0.0000**	**20.5771**	**20.5771**	**9.7000e-004**	**3.1400e-003**	**21.5372**

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					0.0320	0.0000	0.0320	0.0154	0.0000	0.0154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	**0.0195**	**0.2086**	**0.1527**	**3.0000e-004**	**0.0320**	**9.4100e-003**	**0.0414**	**0.0154**	**8.6600e-003**	**0.0241**	**0.0000**	**26.0547**	**26.0547**	**8.4300e-003**	**0.0000**	**26.2654**

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

3.2 Grading - 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	1.3900e-003	0.0526	0.0124	2.0000e-004	5.3500e-003	4.9000e-004	5.8400e-003	1.4700e-003	4.7000e-004	1.9400e-003	0.0000	19.5879	19.5879	9.4000e-004	3.1100e-003	20.5387
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	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985
Total	**1.8200e-003**	**0.0529**	**0.0161**	**2.1000e-004**	**6.5500e-003**	**5.0000e-004**	**7.0500e-003**	**1.7900e-003**	**4.8000e-004**	**2.2700e-003**	**0.0000**	**20.5771**	**20.5771**	**9.7000e-004**	**3.1400e-003**	**21.5372**

3.3 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	0.1638	1.4991	1.5709	2.5900e-003		0.0777	0.0777		0.0731	0.0731	0.0000	222.4562	222.4562	0.0533	0.0000	223.7886
Total	**0.1638**	**1.4991**	**1.5709**	**2.5900e-003**		**0.0777**	**0.0777**		**0.0731**	**0.0731**	**0.0000**	**222.4562**	**222.4562**	**0.0533**	**0.0000**	**223.7886**

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

3.3 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	0.0130	0.3223	0.1056	1.2500e-003	0.0389	3.3900e-003	0.0423	0.0112	3.2400e-003	0.0145	0.0000	122.1207	122.1207	3.7100e-003	0.0177	127.4996
Worker	0.0435	0.0316	0.3705	1.0800e-003	0.1209	7.0000e-004	0.1216	0.0321	6.5000e-004	0.0328	0.0000	99.3998	99.3998	3.1200e-003	2.8700e-003	100.3327
Total	**0.0565**	**0.3539**	**0.4761**	**2.3300e-003**	**0.1598**	**4.0900e-003**	**0.1639**	**0.0434**	**3.8900e-003**	**0.0472**	**0.0000**	**221.5204**	**221.5204**	**6.8300e-003**	**0.0206**	**227.8324**

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	0.1638	1.4991	1.5709	2.5900e-003		0.0777	0.0777		0.0731	0.0731	0.0000	222.4560	222.4560	0.0533	0.0000	223.7883
Total	**0.1638**	**1.4991**	**1.5709**	**2.5900e-003**		**0.0777**	**0.0777**		**0.0731**	**0.0731**	**0.0000**	**222.4560**	**222.4560**	**0.0533**	**0.0000**	**223.7883**

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

3.3 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	0.0130	0.3223	0.1056	1.2500e-003	0.0389	3.3900e-003	0.0423	0.0112	3.2400e-003	0.0145	0.0000	122.1207	122.1207	3.7100e-003	0.0177	127.4996
Worker	0.0435	0.0316	0.3705	1.0800e-003	0.1209	7.0000e-004	0.1216	0.0321	6.5000e-004	0.0328	0.0000	99.3998	99.3998	3.1200e-003	2.8700e-003	100.3327
Total	**0.0565**	**0.3539**	**0.4761**	**2.3300e-003**	**0.1598**	**4.0900e-003**	**0.1639**	**0.0434**	**3.8900e-003**	**0.0472**	**0.0000**	**221.5204**	**221.5204**	**6.8300e-003**	**0.0206**	**227.8324**

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0299	0.2733	0.3086	5.1000e-004		0.0133	0.0133		0.0125	0.0125	0.0000	44.0429	44.0429	0.0105	0.0000	44.3048
Total	**0.0299**	**0.2733**	**0.3086**	**5.1000e-004**		**0.0133**	**0.0133**		**0.0125**	**0.0125**	**0.0000**	**44.0429**	**44.0429**	**0.0105**	**0.0000**	**44.3048**

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

3.3 Building Construction - 2023

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	1.3600e-003	0.0515	0.0182	2.4000e-004	7.7000e-003	3.0000e-004	8.0000e-003	2.2200e-003	2.9000e-004	2.5100e-003	0.0000	23.2554	23.2554	7.0000e-004	3.3700e-003	24.2771
Worker	8.0700e-003	5.5900e-003	0.0682	2.1000e-004	0.0239	1.3000e-004	0.0241	6.3600e-003	1.2000e-004	6.4800e-003	0.0000	19.1659	19.1659	5.6000e-004	5.3000e-004	19.3373
Total	**9.4300e-003**	**0.0571**	**0.0863**	**4.5000e-004**	**0.0316**	**4.3000e-004**	**0.0321**	**8.5800e-003**	**4.1000e-004**	**8.9900e-003**	**0.0000**	**42.4213**	**42.4213**	**1.2600e-003**	**3.9000e-003**	**43.6144**

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	0.0299	0.2733	0.3086	5.1000e-004		0.0133	0.0133		0.0125	0.0125	0.0000	44.0429	44.0429	0.0105	0.0000	44.3048
Total	**0.0299**	**0.2733**	**0.3086**	**5.1000e-004**		**0.0133**	**0.0133**		**0.0125**	**0.0125**	**0.0000**	**44.0429**	**44.0429**	**0.0105**	**0.0000**	**44.3048**

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

3.3 Building Construction - 2023

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	1.3600e-003	0.0515	0.0182	2.4000e-004	7.7000e-003	3.0000e-004	8.0000e-003	2.2200e-003	2.9000e-004	2.5100e-003	0.0000	23.2554	23.2554	7.0000e-004	3.3700e-003	24.2771
Worker	8.0700e-003	5.5900e-003	0.0682	2.1000e-004	0.0239	1.3000e-004	0.0241	6.3600e-003	1.2000e-004	6.4800e-003	0.0000	19.1659	19.1659	5.6000e-004	5.3000e-004	19.3373
Total	**9.4300e-003**	**0.0571**	**0.0863**	**4.5000e-004**	**0.0316**	**4.3000e-004**	**0.0321**	**8.5800e-003**	**4.1000e-004**	**8.9900e-003**	**0.0000**	**42.4213**	**42.4213**	**1.2600e-003**	**3.9000e-003**	**43.6144**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	3.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0139**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0269**	**20.0269**	**6.4800e-003**	**0.0000**	**20.1888**

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

3.4 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.8000e-004	3.4300e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9638	0.9638	3.0000e-005	3.0000e-005	0.9724
Total	**4.1000e-004**	**2.8000e-004**	**3.4300e-003**	**1.0000e-005**	**1.2000e-003**	**1.0000e-005**	**1.2100e-003**	**3.2000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9638**	**0.9638**	**3.0000e-005**	**3.0000e-005**	**0.9724**

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	3.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0139**	**0.1019**	**0.1458**	**2.3000e-004**		**5.1000e-003**	**5.1000e-003**		**4.6900e-003**	**4.6900e-003**	**0.0000**	**20.0268**	**20.0268**	**6.4800e-003**	**0.0000**	**20.1888**

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

3.4 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.8000e-004	3.4300e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9638	0.9638	3.0000e-005	3.0000e-005	0.9724
Total	**4.1000e-004**	**2.8000e-004**	**3.4300e-003**	**1.0000e-005**	**1.2000e-003**	**1.0000e-005**	**1.2100e-003**	**3.2000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9638**	**0.9638**	**3.0000e-005**	**3.0000e-005**	**0.9724**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4400					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.4419**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

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

3.5 Architectural Coating - 2023

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	8.4000e-004	5.8000e-004	7.0800e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9918	1.9918	6.0000e-005	5.0000e-005	2.0096
Total	**8.4000e-004**	**5.8000e-004**	**7.0800e-003**	**2.0000e-005**	**2.4900e-003**	**1.0000e-005**	**2.5000e-003**	**6.6000e-004**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**1.9918**	**1.9918**	**6.0000e-005**	**5.0000e-005**	**2.0096**

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	0.4400					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.4419**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

3.5 Architectural Coating - 2023

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	8.4000e-004	5.8000e-004	7.0800e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.9918	1.9918	6.0000e-005	5.0000e-005	2.0096
Total	**8.4000e-004**	**5.8000e-004**	**7.0800e-003**	**2.0000e-005**	**2.4900e-003**	**1.0000e-005**	**2.5000e-003**	**6.6000e-004**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**1.9918**	**1.9918**	**6.0000e-005**	**5.0000e-005**	**2.0096**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1485	2.2080	18.0779	0.0349	3.5621	0.0283	3.5904	0.9507	0.0264	0.9771	0.0000	3,255.1859	3,255.1859	0.2624	0.1615	3,309.8614
Unmitigated	2.5947	3.0209	24.6393	0.0516	5.3313	0.0406	5.3719	1.4229	0.0379	1.4608	0.0000	4,813.8023	4,813.8023	0.3407	0.2175	4,887.1260

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	4,881.58	4,881.58	4881.58	14,251,839	9,522,333
Total	4,881.58	4,881.58	4,881.58	14,251,839	9,522,333

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
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164
Parking Lot	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164

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

Unrefrigerated Warehouse-No Rail	0.553514	0.062792	0.181046	0.120736	0.024419	0.006214	0.008493	0.006184	0.000715	0.000556	0.029185	0.000982	0.005164

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	162.4856	162.4856	9.9300e-003	1.2000e-003	163.0925
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	162.4856	162.4856	9.9300e-003	1.2000e-003	163.0925
NaturalGas Mitigated	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	15.6867	15.6867	3.0000e-004	2.9000e-004	15.7799
NaturalGas Unmitigated	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	15.6867	15.6867	3.0000e-004	2.9000e-004	15.7799

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	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
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	293957	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	15.6867	15.6867	3.0000e-004	2.9000e-004	15.7799
Total		**1.5900e-003**	**0.0144**	**0.0121**	**9.0000e-005**		**1.1000e-003**	**1.1000e-003**		**1.1000e-003**	**1.1000e-003**	**0.0000**	**15.6867**	**15.6867**	**3.0000e-004**	**2.9000e-004**	**15.7799**

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

5.2 Energy by Land Use - NaturalGas

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					
Other Non-Asphalt Surfaces	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
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	293957	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	15.6867	15.6867	3.0000e-004	2.9000e-004	15.7799
Total		**1.5900e-003**	**0.0144**	**0.0121**	**9.0000e-005**		**1.1000e-003**	**1.1000e-003**		**1.1000e-003**	**1.1000e-003**	**0.0000**	**15.6867**	**15.6867**	**3.0000e-004**	**2.9000e-004**	**15.7799**

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	30940	7.5782	4.6000e-004	6.0000e-005	7.6065
Unrefrigerated Warehouse-No Rail	632454	154.9074	9.4700e-003	1.1500e-003	155.4861
Total		**162.4856**	**9.9300e-003**	**1.2100e-003**	**163.0925**

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	30940	7.5782	4.6000e-004	6.0000e-005	7.6065
Unrefrigerated Warehouse-No Rail	632454	154.9074	9.4700e-003	1.1500e-003	155.4861
Total		**162.4856**	**9.9300e-003**	**1.2100e-003**	**163.0925**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9219	3.0000e-005	3.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1800e-003	7.1800e-003	2.0000e-005	0.0000	7.6500e-003
Unmitigated	0.9219	3.0000e-005	3.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1800e-003	7.1800e-003	2.0000e-005	0.0000	7.6500e-003

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	0.2132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7084					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4000e-004	3.0000e-005	3.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1800e-003	7.1800e-003	2.0000e-005	0.0000	7.6500e-003
Total	**0.9219**	**3.0000e-005**	**3.6900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**7.1800e-003**	**7.1800e-003**	**2.0000e-005**	**0.0000**	**7.6500e-003**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7084					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4000e-004	3.0000e-005	3.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.1800e-003	7.1800e-003	2.0000e-005	0.0000	7.6500e-003
Total	**0.9219**	**3.0000e-005**	**3.6900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**7.1800e-003**	**7.1800e-003**	**2.0000e-005**	**0.0000**	**7.6500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	115.5728	1.0804	0.0261	150.3722
Unmitigated	144.4660	1.3505	0.0327	187.9652

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	41.1995 / 0	144.4660	1.3505	0.0327	187.9652
Total		**144.4660**	**1.3505**	**0.0327**	**187.9652**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	32.9596 / 0	115.5728	1.0804	0.0261	150.3722
Total		**115.5728**	**1.0804**	**0.0261**	**150.3722**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.4987	0.5023	0.0000	21.0552
Unmitigated	33.9949	2.0090	0.0000	84.2209

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	167.47	33.9949	2.0090	0.0000	84.2209
Total		**33.9949**	**2.0090**	**0.0000**	**84.2209**

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	41.8675	8.4987	0.5023	0.0000	21.0552
Total		**8.4987**	**0.5023**	**0.0000**	**21.0552**

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

Appendix C:

AERMOD Model Printouts

Catherine Howe <catherine@mdacoustics.com>

Re: OnPoint Shinohara 571 Shinohara

Renald Espiritu <espiritu@llgengineers.com> Mon, Aug 2, 2021 at 10:36 AM
To: Catherine Howe <catherine@mdacoustics.com>
Cc: Mike Dickerson <mike@mdacoustics.com>, Mary Lanier <mary@mckennalanier.com>, "John A. Boarman" <boarman@llgengineers.com>

Good morning Catherine,

The 132 truck trips are for the larger trucks such as truck-trailers.

Respectfully yours,

Renald Espiritu

Transportation Engineer II

espiritu@llgengineers.com

Linscott, Law & Greenspan, Engineers

4542 Ruffner Street, Suite 100

San Diego, CA 92111

858.300.8800 x242

www.llgengineers.com

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Table A

Trip Generation – Shinohara

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour					PM Peak Hour					Truck Traffic
		Rate [a]	Volume	% of ADT [a]	In:Out Split [a]	Volume			% of ADT [a]	In:Out Split	Volume			
						In	Out	Total			In	Out	Total	
Warehousing at 5/KSF														
Office	7,468 SF	20 /KSF[b]	149	14%	90 : 10	19	2	21	13%	20 : 80	4	15	19	
Industrial Building	187,748 SF	5 /KSF[c]	939	13%	70 : 30	85	37	122	15%	40 : 60	56	85	141	–
Total			***1,088***			***104***	***39***	***143***			***60***	***100***	***160***	
Industrial Plant at 10/KSF														
Office	7,468 SF	20 /KSF[b]	149	14%	90 : 10	19	2	21	13%	20 : 80	4	15	19	
Industrial Building	187,748 SF	10 /KSF[d]	1,877	14%	80 : 20	210	53	263	15%	30 : 70	85	197	282	–
Total			***2,026***			***229***	***55***	***284***			***89***	***212***	***301***	
Site Specific (Amazon generators) at 25/KSF														
Office	7,468 SF	25 /KSF[e]	187	6.71%	38 : 62	5	8	13	12.67%	70 : 30	17	7	24	
Industrial Building	187,748 SF	25 /KSF[e]	4,694	6.71%	38 : 62	120	195	315	12.67%	70 : 30	417	178	595	132
Total			***4,881***			***125***	***203***	***328***			***434***	***185***	***619***	

Footnotes:

a. Rates are based on SANDAG's *(Not So) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region* , April 2002.

b. Rates are based on standard commercial office rate of 20/1,000 SF.

c. Rates are based on warehousing rate of 5/1,000 SF.

d. Rates are based on industrial plant rate of 10/1,000 SF.

e. Rates are based on site specific rate of 25/1,000 SF.

Emission Assumptions **DPM** Emissions

06232110 Shinohara Chula Vista

Facility Operations

Buildout year: 2022

Emission Factors

1) Onsite Vehicle Emissions

a) Truck

(1) EMFAC2017

(a) Annual Meteorology

Temperature: 61 degF

Relative Humidity: 60%

(b) Calculations for San Diego County

(c) Truck Mix

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

4 axle diesel trucks (MHDT)

2 axle diesel trucks (LHDT2)

(d) Onsite Truck Travel Speed: 10 mph

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

(f) Idle speed: 0 mph

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

2) Other Parameters

(a) Width of Volume Source: 12 feet

(b) Truck Operational Schedule 24 hours/day

(c) Height of Plume: 12 feet

06232110 Shinohara Chula Vista

Emission: DPM

Processes Modeled

Build-out: 2022

Onsite delivery traffic
Truck idling
Offsite delivery traffic

Facilities in Operation

Location	Truck type	Daily trucks
Project Site	HHDT	132
Project Site	MHDT	0
Project Site	LHDT2	0
Total		**132**

Delivery Schedule:

24 **hrs/day, 52 weeks/year**

Emission Factors 1 Year (2022)

Vehicle Class	Onsite Exhaust (g/mi)	Offsite Exhaust (g/mi)	Idle (g/hr)
HHDT	0.04653	0.02200	0.30984
MHDT	0.05278	0.02937	0.31208
LHDT2	0.04582	0.01781	0.29932

Onsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day (in and out)	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)	Total Daily Emissions for all Vehicles (g/sec)	
From project driveway to loading area	HHDT	0.04653	132	218.4	0.14	8.33E-01	9.64E-06	6.61E+00	1.84E-03	3.35E-04		
From project driveway to loading area	MHDT	0.05278	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**9.64E-06**	100% of trucks
From project driveway to loading area	LHDT2	0.04582	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

Truck Idling

Idle time 15 minutes

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	Daily Trucks	Total Emissions (g/day)	Max Hourly Emissions (g/sec)	Max Hourly Emissions (lb/hr)	Total Daily Emissions (lbs/day)	Total Emissions (tons/yr)	Total Emissions (tons/yr)		
At truck loading areas	HHDT	0.30984	15	132	10.22	1.18E-04	9.38E-04	2.25E-02	4.11E-03			
At truck loading areas	MHDT	0.31208	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		1.18E-04	
At truck loading areas	LHDT2	0.29932	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		**2.96E-05**	per idling location
												(4 total)

Offsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Max Hourly Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)		
Shinohara Lane from project driveway to Brandywine Avenue	HHDT	0.02200	132	124.2	0.08	2.24E-01	2.59E-06	1.78E+00	4.94E-04	9.01E-05	100% of trucks	
Shinohara Lane from project driveway to Brandywine Avenue	MHDT	0.02937	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.59E-06**	
Shinohara Lane from project driveway to Brandywine Avenue	LHDT2	0.01781	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Brandywine Avenue from Shinohara Lane to Main Street	HHDT	0.02200	132	174.1	0.11	3.14E-01	3.64E-06	2.49E+00	6.92E-04	1.26E-04	100% of trucks	
Brandywine Avenue from Shinohara Lane to Main Street	MHDT	0.02937	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.64E-06**	
Brandywine Avenue from Shinohara Lane to Main Street	LHDT2	0.01781	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from Brandywine Avenue to 805 Freeway	HHDT	0.02200	132	591.8	0.37	1.07E+00	1.24E-05	8.47E+00	2.35E-03	4.29E-04	100% of trucks	
Main Street from Brandywine Avenue to 805 Freeway	MHDT	0.02937	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.24E-05**	
Main Street from Brandywine Avenue to 805 Freeway	LHDT2	0.01781	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Northbound Ramp	HHDT	0.02200	132	273.6	0.17	4.94E-01	5.71E-06	3.91E+00	1.09E-03	1.98E-04	50% of trucks	
805 Freeway Northbound Ramp	MHDT	0.02937	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.86E-06**	
805 Freeway Northbound Ramp	LHDT2	0.01781	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from 805 NB Ramp to SB Ramp	HHDT	0.02200	132	121.8	0.08	2.20E-01	2.54E-06	1.74E+00	4.84E-04	8.83E-05	50% of trucks	
Main Street from 805 NB Ramp to SB Ramp	MHDT	0.02937	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.27E-06**	
Main Street from 805 NB Ramp to SB Ramp	LHDT2	0.01781	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Southbound Ramp	HHDT	0.02200	132	247	0.15	4.46E-01	5.16E-06	3.53E+00	9.81E-04	1.79E-04	50% of trucks	
805 Freeway Southbound Ramp	MHDT	0.02937	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.58E-06**	
805 Freeway Southbound Ramp	LHDT2	0.01781	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

06232110 Shinohara Chula Vista

Emission: DPM

Processes Modeled

Build-out: 2022

Onsite delivery traffic
Truck idling
Offsite delivery traffic

Facilities in Operation

Location	Truck type	Daily trucks
Project Site	HHDT	132
Project Site	MHDT	0
Project Site	LHDT2	0
Total		**132**

Delivery Schedule:

24 **hrs/day, 52weeks/year**

Emission Factors 2 Year (2023 & 2024)

Vehicle Class	Onsite Exhaust (g/mi)	Offsite Exhaust (g/mi)	Idle (g/hr)
HHDT	0.01505	0.01020	0.08755
MHDT	0.00697	0.00392	0.04108
LHDT2	0.04243	0.01700	0.27215

Onsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day (in and out)	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)	Total Daily Emissions for all Vehicles (g/sec)	
From project driveway to loading area	HHDT	0.01505	132	218.4	0.14	2.70E-01	3.12E-06	2.14E+00	5.94E-04	1.08E-04		
From project driveway to loading area	MHDT	0.00697	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**3.12E-06**	100% of trucks
From project driveway to loading area	LHDT2	0.04243	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

Truck Idling

Idle time 15 minutes

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	Daily Trucks	Total Emissions (g/day)	Max Hourly Emissions (g/sec)	Max Hourly Emissions (lb/hr)	Total Daily Emissions (lbs/day)	Total Emissions (tons/yr)	Total Emissions (tons/yr)		
At truck loading areas	HHDT	0.08755	15	132	2.89	3.34E-05	2.65E-04	6.36E-03	1.16E-03			
At truck loading areas	MHDT	0.04108	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		3.34E-05	
At truck loading areas	LHDT2	0.27215	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		**8.36E-06**	per idling location
												(4 total)

Offsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Max Hourly Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)		
Shinohara Lane from project driveway to Brandywine Avenue	HHDT	0.01020	132	124.2	0.08	1.04E-01	1.20E-06	8.24E-01	2.29E-04	4.18E-05	100% of trucks	
Shinohara Lane from project driveway to Brandywine Avenue	MHDT	0.00392	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.20E-06**	
Shinohara Lane from project driveway to Brandywine Avenue	LHDT2	0.01700	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Brandywine Avenue from Shinohara Lane to Main Street	HHDT	0.01020	132	174.1	0.11	1.46E-01	1.69E-06	1.15E+00	3.21E-04	5.85E-05	100% of trucks	
Brandywine Avenue from Shinohara Lane to Main Street	MHDT	0.00392	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.69E-06**	
Brandywine Avenue from Shinohara Lane to Main Street	LHDT2	0.01700	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from Brandywine Avenue to 805 Freeway	HHDT	0.01020	132	591.8	0.37	4.95E-01	5.73E-06	3.92E+00	1.09E-03	1.99E-04	100% of trucks	
Main Street from Brandywine Avenue to 805 Freeway	MHDT	0.00392	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**5.73E-06**	
Main Street from Brandywine Avenue to 805 Freeway	LHDT2	0.01700	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Northbound Ramp	HHDT	0.01020	132	273.6	0.17	2.29E-01	2.65E-06	1.81E+00	5.04E-04	9.20E-05	50% of trucks	
805 Freeway Northbound Ramp	MHDT	0.00392	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.32E-06**	
805 Freeway Northbound Ramp	LHDT2	0.01700	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from 805 NB Ramp to SB Ramp	HHDT	0.01020	132	121.8	0.08	1.02E-01	1.18E-06	8.08E-01	2.24E-04	4.10E-05	50% of trucks	
Main Street from 805 NB Ramp to SB Ramp	MHDT	0.00392	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**5.90E-07**	
Main Street from 805 NB Ramp to SB Ramp	LHDT2	0.01700	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Southbound Ramp	HHDT	0.01020	132	247	0.15	2.07E-01	2.39E-06	1.64E+00	4.55E-04	8.30E-05	50% of trucks	
805 Freeway Southbound Ramp	MHDT	0.00392	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.20E-06**	
805 Freeway Southbound Ramp	LHDT2	0.01700	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

06232110 Shinohara Chula Vista

Emission: DPM

Processes Modeled

Build-out: 2022

Onsite delivery traffic
Truck idling
Offsite delivery traffic

Facilities in Operation

Location	Truck type	Daily trucks
Project Site	HHDT	132
Project Site	MHDT	0
Project Site	LHDT2	0
Total		**132**

Delivery Schedule:

24 **hrs/day, 52weeks/year**

Emission Factors 14 Year 2025-2038

Vehicle Class	Onsite Exhaust (g/mi)	Offsite Exhaust (g/mi)	Idle (g/hr)
HHDT	0.01159	0.00885	0.06543
MHDT	0.00525	0.00375	0.03050
LHDT2	0.03328	0.01504	0.19651

Onsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day (in and out)	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)	Total Daily Emissions for all Vehicles (g/sec)	
From project driveway to loading area	HHDT	0.01159	132	218.4	0.14	2.08E-01	2.40E-06	1.65E+00	4.57E-04	8.34E-05		
From project driveway to loading area	MHDT	0.00525	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**2.40E-06**	100% of trucks
From project driveway to loading area	LHDT2	0.03328	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

Truck Idling

Idle time 15 minutes

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	Daily Trucks	Total Emissions (g/day)	Max Hourly Emissions (g/sec)	Max Hourly Emissions (lb/hr)	Total Daily Emissions (lbs/day)	Total Emissions (tons/yr)	Total Emissions (tons/yr)		
At truck loading areas	HHDT	0.06543	15	132	2.16	2.50E-05	1.98E-04	4.76E-03	8.68E-04			
At truck loading areas	MHDT	0.03050	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		2.50E-05	
At truck loading areas	LHDT2	0.19651	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		**6.25E-06**	per idling location
												(4 total)

Offsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Max Hourly Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)		
Shinohara Lane from project driveway to Brandywine Avenue	HHDT	0.00885	132	124.2	0.08	9.01E-02	1.04E-06	7.15E-01	1.99E-04	3.62E-05	100% of trucks	
Shinohara Lane from project driveway to Brandywine Avenue	MHDT	0.00375	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.04E-06**	
Shinohara Lane from project driveway to Brandywine Avenue	LHDT2	0.01504	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Brandywine Avenue from Shinohara Lane to Main Street	HHDT	0.00885	132	174.1	0.11	1.26E-01	1.46E-06	1.00E+00	2.78E-04	5.08E-05	100% of trucks	
Brandywine Avenue from Shinohara Lane to Main Street	MHDT	0.00375	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.46E-06**	
Brandywine Avenue from Shinohara Lane to Main Street	LHDT2	0.01504	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from Brandywine Avenue to 805 Freeway	HHDT	0.00885	132	591.8	0.37	4.29E-01	4.97E-06	3.41E+00	9.46E-04	1.73E-04	100% of trucks	
Main Street from Brandywine Avenue to 805 Freeway	MHDT	0.00375	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**4.97E-06**	
Main Street from Brandywine Avenue to 805 Freeway	LHDT2	0.01504	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Northbound Ramp	HHDT	0.00885	132	273.6	0.17	1.99E-01	2.30E-06	1.57E+00	4.37E-04	7.98E-05	50% of trucks	
805 Freeway Northbound Ramp	MHDT	0.00375	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.15E-06**	
805 Freeway Northbound Ramp	LHDT2	0.01504	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from 805 NB Ramp to SB Ramp	HHDT	0.00885	132	121.8	0.08	8.84E-02	1.02E-06	7.01E-01	1.95E-04	3.55E-05	50% of trucks	
Main Street from 805 NB Ramp to SB Ramp	MHDT	0.00375	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**5.12E-07**	
Main Street from 805 NB Ramp to SB Ramp	LHDT2	0.01504	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Southbound Ramp	HHDT	0.00885	132	247	0.15	1.79E-01	2.07E-06	1.42E+00	3.95E-04	7.21E-05	50% of trucks	
805 Freeway Southbound Ramp	MHDT	0.00375	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.04E-06**	
805 Freeway Southbound Ramp	LHDT2	0.01504	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

06232110 Shinohara Chula Vista

Emission: DPM

Processes Modeled

Build-out: 2022

Onsite delivery traffic
Truck idling
Offsite delivery traffic

Facilities in Operation

Location	Truck type	Daily trucks
Project Site	HHDT	132
Project Site	MHDT	0
Project Site	LHDT2	0
Total		**132**

Delivery Schedule:

24 **hrs/day, 52weeks/year**

Emission Factors 14 Year 2039-2052

Vehicle Class	Onsite Exhaust (g/mi)	Offsite Exhaust (g/mi)	Idle (g/hr)
HHDT	0.00955	0.00796	0.05351
MHDT	0.00433	0.00361	0.02499
LHDT2	0.02840	0.01416	0.15465

Onsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day (in and out)	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)	Total Daily Emissions for all Vehicles (g/sec)	
From project driveway to loading area	HHDT	0.00955	132	218.4	0.14	1.71E-01	1.98E-06	1.36E+00	3.77E-04	6.88E-05		
From project driveway to loading area	MHDT	0.00433	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.98E-06**	100% of trucks
From project driveway to loading area	LHDT2	0.02840	0	218.4	0.14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

Truck Idling

Idle time 15 minutes

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	Daily Trucks	Total Emissions (g/day)	Max Hourly Emissions (g/sec)	Max Hourly Emissions (lb/hr)	Total Daily Emissions (lbs/day)	Total Emissions (tons/yr)	Total Emissions (tons/yr)		
At truck loading areas	HHDT	0.05351	15	132	1.77	2.04E-05	1.62E-04	3.89E-03	7.10E-04			
At truck loading areas	MHDT	0.02499	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		2.04E-05	
At truck loading areas	LHDT2	0.15465	15	0	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		**5.11E-06**	per idling location
												(4 total)

Offsite Roadway Links Modeled

Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	Daily Emissions Over the Link (g/day)	Emissions Over the Link (g/sec)	Max Hourly Emissions Over Link (lb/hr)	Daily Emissions (lbs/day)	Annual Avg Emissions Over Link (tons/yr)		
Shinohara Lane from project driveway to Brandywine Avenue	HHDT	0.00796	132	124.2	0.08	8.11E-02	9.38E-07	6.43E-01	1.79E-04	3.26E-05	100% of trucks	
Shinohara Lane from project driveway to Brandywine Avenue	MHDT	0.00361	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**9.38E-07**	
Shinohara Lane from project driveway to Brandywine Avenue	LHDT2	0.01416	0	124.2	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Brandywine Avenue from Shinohara Lane to Main Street	HHDT	0.00796	132	174.1	0.11	1.14E-01	1.32E-06	9.01E-01	2.50E-04	4.57E-05	100% of trucks	
Brandywine Avenue from Shinohara Lane to Main Street	MHDT	0.00361	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.32E-06**	
Brandywine Avenue from Shinohara Lane to Main Street	LHDT2	0.01416	0	174.1	0.11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from Brandywine Avenue to 805 Freeway	HHDT	0.00796	132	591.8	0.37	3.86E-01	4.47E-06	3.06E+00	8.51E-04	1.55E-04	100% of trucks	
Main Street from Brandywine Avenue to 805 Freeway	MHDT	0.00361	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**4.47E-06**	
Main Street from Brandywine Avenue to 805 Freeway	LHDT2	0.01416	0	591.8	0.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Northbound Ramp	HHDT	0.00796	132	273.6	0.17	1.79E-01	2.07E-06	1.42E+00	3.93E-04	7.18E-05	50% of trucks	
805 Freeway Northbound Ramp	MHDT	0.00361	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**1.03E-06**	
805 Freeway Northbound Ramp	LHDT2	0.01416	0	273.6	0.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Main Street from 805 NB Ramp to SB Ramp	HHDT	0.00796	132	121.8	0.08	7.95E-02	9.20E-07	6.30E-01	1.75E-04	3.20E-05	50% of trucks	
Main Street from 805 NB Ramp to SB Ramp	MHDT	0.00361	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**4.60E-07**	
Main Street from 805 NB Ramp to SB Ramp	LHDT2	0.01416	0	121.8	0.08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
805 Freeway Southbound Ramp	HHDT	0.00796	132	247	0.15	1.61E-01	1.87E-06	1.28E+00	3.55E-04	6.48E-05	50% of trucks	
805 Freeway Southbound Ramp	MHDT	0.00361	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	**9.33E-07**	
805 Freeway Southbound Ramp	LHDT2	0.01416	0	247	0.15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		

EMFAC2017 for San Diego PM10 Running and Idling Exhaust

Area	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	2022 (gms/mile)	2023 (gms/mile)	2024 (gms/mile)	2025 (gms/mile)	2026 (gms/mile)	2027 (gms/mile)	2028 (gms/mile)	2029 (gms/mile)	2030 (gms/mile)	2031 (gms/mile)	2032 (gms/mile)	2033 (gms/mile)
San Diego	*Annual*	*LHDT2*	*DSL*	Aggregated	*0*	0.299321	0.280386	0.263923	0.249888	0.237316	0.226342	0.216764	0.208592	0.201276	0.194485	0.188241	0.182844
San Diego	Annual	LHDT2	DSL	Aggregated	5	0.059864	0.056077	0.052785	0.049978	0.047463	0.045268	0.043353	0.041718	0.040255	0.038897	0.037648	0.036569
San Diego	Annual	LHDT2	DSL	Aggregated	10	0.045823	0.043449	0.041407	0.039687	0.038157	0.036832	0.035685	0.034715	0.033849	0.03304	0.032294	0.031651
San Diego	Annual	LHDT2	DSL	Aggregated	35	0.017813	0.017236	0.016758	0.016373	0.016038	0.015758	0.015522	0.015331	0.015161	0.014999	0.014848	0.014719
San Diego	*Annual*	*MHDT*	*DSL*	Aggregated	*0*	0.312077	0.042142	0.040025	0.038059	0.036227	0.03457	0.033192	0.031995	0.030935	0.029969	0.029158	0.028515
San Diego	Annual	MHDT	DSL	Aggregated	5	0.062415	0.008428	0.008005	0.007612	0.007245	0.006914	0.006638	0.006399	0.006187	0.005994	0.005832	0.005703
San Diego	Annual	MHDT	DSL	Aggregated	10	0.052776	0.007137	0.006794	0.006478	0.006183	0.005912	0.005687	0.005492	0.005318	0.00516	0.005023	0.004915
San Diego	Annual	MHDT	DSL	Aggregated	35	0.029374	0.003932	0.003918	0.003898	0.00387	0.003834	0.003811	0.00379	0.003769	0.003749	0.00373	0.003718
San Diego	*Annual*	*HHDT*	*DSL*	Aggregated	*0*	0.309837	0.089409	0.085683	0.081947	0.077743	0.074562	0.071715	0.068543	0.066269	0.064334	0.062628	0.060961
San Diego	Annual	HHDT	DSL	Aggregated	5	0.061967	0.017882	0.017137	0.016389	0.015549	0.014912	0.014343	0.013709	0.013254	0.012867	0.012526	0.012192
San Diego	Annual	HHDT	DSL	Aggregated	10	0.046532	0.015278	0.014824	0.014302	0.013632	0.013151	0.012706	0.012136	0.011743	0.011422	0.011138	0.010846
San Diego	Annual	HHDT	DSL	Aggregated	35	0.021996	0.010212	0.010179	0.010051	0.009787	0.009611	0.009428	0.009115	0.008926	0.00878	0.008646	0.008498

	14 yr 2025-2038 **5 mph**	**14 yr** 2025-2038 **10 mph**	**14 yr** 2025-2038 **35 mph**	**14 yr** 2025-2038 **0 mph (idling)**
LHDT2	0.03930	0.03328	0.01504	0.19651
MHDT	0.00611	0.00525	0.00375	0.03054
HHDT	0.01309	0.01159	0.00885	0.06543

	14 yr 2039-2052 **5 mph**	**14 yr** 2039-2052 **10 mph**	**14 yr** 2039-2052 **35 mph**	**14 yr** 2039-2052 **0 mph (idling)**
LHDT2	0.03093	0.02840	0.01416	0.15465
MHDT	0.00500	0.00433	0.00361	0.02499
HHDT	0.01070	0.00955	0.00796	0.05351

	2 yr 2023&2024 **5 mph**	**2 yr** 2023&2024 **10 mph**	**2 yr** 2023&2024 **35 mph**	**2 yr** 2023&2024 **0 mph (idling)**
LHDT2	0.05443	0.04243	0.01700	0.27215
MHDT	0.00822	0.00697	0.00392	0.04108
HHDT	0.01751	0.01505	0.01020	0.08755

	1 yr 2022 **5 mph**	**1 yr** 2022 **10 mph**	**1 yr** 2022 **35 mph**	**1 yr** 2022 **0 mph (idling)**
LHDT2	0.05986	0.04582	0.01781	0.29932
MHDT	0.06242	0.05278	0.02937	0.31208
HHDT	0.06197	0.04653	0.02200	0.30984

2034 (gms/mile)	2035 (gms/mile)	2036 (gms/mile)	2037 (gms/mile)	2038 (gms/mile)	2039 (gms/mile)	2040 (gms/mile)	2041 (gms/mile)	2042 (gms/mile)	2043 (gms/mile)	2044 (gms/mile)	2045 (gms/mile)	2046 (gms/mile)	2047 (gms/mile)	2048 (gms/mile)	2049 (gms/mile)	2050 (gms/mile)	2051 (gms/mile)	2052 (gms/mile)
0.176986	0.170959	0.168219	0.165718	0.163446	0.161396	0.159954	0.158953	0.158144	0.157636	0.156281	0.155292	0.154098	0.153185	0.152115	0.151026	0.149022	0.149022	0.149022
0.035397	0.034192	0.033644	0.033144	0.032689	0.032279	0.031991	0.031791	0.031629	0.031527	0.031256	0.031058	0.03082	0.030637	0.030423	0.030205	0.029804	0.029804	0.029804
0.030932	0.030181	0.029879	0.029601	0.029347	0.029118	0.028965	0.028865	0.028788	0.028748	0.028595	0.028488	0.028352	0.028253	0.028132	0.028007	0.027763	0.027763	0.027763
0.014556	0.014378	0.014338	0.014299	0.014263	0.014229	0.014215	0.014211	0.014211	0.014221	0.014198	0.014185	0.014164	0.014152	0.014133	0.014112	0.014058	0.014058	0.014058
0.027943	0.027411	0.026928	0.026524	0.026177	0.02587	0.0256	0.025386	0.025204	0.025058	0.024932	0.024833	0.024767	0.024715	0.024703	0.0247	0.024702	0.024702	0.024702
0.005589	0.005482	0.005386	0.005305	0.005235	0.005174	0.00512	0.005077	0.005041	0.005012	0.004986	0.004967	0.004953	0.004943	0.004941	0.00494	0.00494	0.00494	0.00494
0.004818	0.00473	0.00465	0.004584	0.004528	0.004478	0.004434	0.004398	0.004367	0.004343	0.004322	0.004305	0.004294	0.004284	0.004282	0.004281	0.004282	0.004282	0.004282
0.003704	0.003688	0.003674	0.003662	0.003651	0.00364	0.003631	0.003622	0.003616	0.003611	0.003608	0.003607	0.003606	0.003605	0.003604	0.003605	0.003607	0.003607	0.003607
0.05946	0.058192	0.057249	0.056483	0.055863	0.055348	0.054846	0.054424	0.054122	0.053819	0.053547	0.053291	0.053075	0.052887	0.052825	0.052781	0.052739	0.052739	0.052739
0.011892	0.011638	0.01145	0.011297	0.011173	0.01107	0.010969	0.010885	0.010824	0.010764	0.010709	0.010658	0.010615	0.010577	0.010565	0.010556	0.010548	0.010548	0.010548
0.010582	0.01036	0.010199	0.010072	0.00997	0.009884	0.009798	0.009725	0.009674	0.009619	0.009569	0.00952	0.009476	0.009435	0.009421	0.009411	0.009401	0.009401	0.009401
0.008358	0.008241	0.008179	0.008128	0.008088	0.008057	0.008029	0.008007	0.007993	0.00798	0.007969	0.007957	0.007945	0.007933	0.007922	0.00791	0.007898	0.007898	0.007898

*Note: 2051 through 2052 data is the same as the 2050 data as 2017 EMFAC only has up to year 2050 data available.

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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 8/4/2021
** File: C:\Lakes\AERMOD View\Shinohara HRA\Shinohara HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Shinohara HRA\Shinohara HRA.isc
   TITLETWO Shinohara DPM Concentrations - 1 year
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "Shinohara HRA.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 On-Site - Project Driveway to Loading Area
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 9.64E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 5
** 497125.107, 3606563.656, 46.25, 0.00, 1.53
** 497116.635, 3606572.599, 46.24, 0.00, 1.53
** 497111.457, 3606587.191, 48.45, 0.00, 1.53
** 497113.340, 3606656.851, 53.51, 0.00, 1.53
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** 497113.261, 3606777.752, 72.42, 0.00, 1.53
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   LOCATION L0000223     VOLUME   497123.979 3606564.847 46.90
   LOCATION L0000224     VOLUME   497121.724 3606567.228 46.81
   LOCATION L0000225     VOLUME   497119.468 3606569.609 46.72
   LOCATION L0000226     VOLUME   497117.212 3606571.990 46.93
   LOCATION L0000227     VOLUME   497115.819 3606574.900 47.17
   LOCATION L0000228     VOLUME   497114.722 3606577.991 47.42
   LOCATION L0000229     VOLUME   497113.625 3606581.082 47.66
   LOCATION L0000230     VOLUME   497112.528 3606584.173 47.91
   LOCATION L0000231     VOLUME   497111.460 3606587.269 48.15
   LOCATION L0000232     VOLUME   497111.548 3606590.548 48.39
   LOCATION L0000233     VOLUME   497111.637 3606593.827 48.67
   LOCATION L0000234     VOLUME   497111.725 3606597.105 48.95
   LOCATION L0000235     VOLUME   497111.814 3606600.384 49.24
   LOCATION L0000236     VOLUME   497111.903 3606603.663 49.52
   LOCATION L0000237     VOLUME   497111.991 3606606.942 49.80
   LOCATION L0000238     VOLUME   497112.080 3606610.221 50.08
   LOCATION L0000239     VOLUME   497112.169 3606613.499 50.36
   LOCATION L0000240     VOLUME   497112.257 3606616.778 50.64
   LOCATION L0000241     VOLUME   497112.346 3606620.057 50.91
   LOCATION L0000242     VOLUME   497112.434 3606623.336 51.21
   LOCATION L0000243     VOLUME   497112.523 3606626.615 51.52
   LOCATION L0000244     VOLUME   497112.612 3606629.894 51.83
   LOCATION L0000245     VOLUME   497112.700 3606633.172 52.14
   LOCATION L0000246     VOLUME   497112.789 3606636.451 52.44
   LOCATION L0000247     VOLUME   497112.877 3606639.730 52.74
   LOCATION L0000248     VOLUME   497112.966 3606643.009 53.04
   LOCATION L0000249     VOLUME   497113.055 3606646.288 53.34
   LOCATION L0000250     VOLUME   497113.143 3606649.566 53.64
   LOCATION L0000251     VOLUME   497113.232 3606652.845 53.95
   LOCATION L0000252     VOLUME   497113.321 3606656.124 54.34
   LOCATION L0000253     VOLUME   497113.339 3606659.404 54.74
   LOCATION L0000254     VOLUME   497113.336 3606662.684 55.15
   LOCATION L0000255     VOLUME   497113.334 3606665.964 55.55
   LOCATION L0000256     VOLUME   497113.332 3606669.244 55.96
   LOCATION L0000257     VOLUME   497113.330 3606672.524 56.36
   LOCATION L0000258     VOLUME   497113.328 3606675.804 56.77
   LOCATION L0000259     VOLUME   497113.326 3606679.084 57.17
   LOCATION L0000260     VOLUME   497113.324 3606682.364 57.58
   LOCATION L0000261     VOLUME   497113.321 3606685.644 57.97
   LOCATION L0000262     VOLUME   497113.319 3606688.924 58.35
   LOCATION L0000263     VOLUME   497113.317 3606692.204 58.74
   LOCATION L0000264     VOLUME   497113.315 3606695.484 59.13
   LOCATION L0000265     VOLUME   497113.313 3606698.764 59.51
   LOCATION L0000266     VOLUME   497113.311 3606702.044 59.90
   LOCATION L0000267     VOLUME   497113.309 3606705.324 60.28
   LOCATION L0000268     VOLUME   497113.306 3606708.604 60.67
   LOCATION L0000269     VOLUME   497113.304 3606711.884 61.06
   LOCATION L0000270     VOLUME   497113.302 3606715.164 61.46
   LOCATION L0000271     VOLUME   497113.300 3606718.444 61.88
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   LOCATION L0000272     VOLUME   497113.298 3606721.724 62.30
   LOCATION L0000273     VOLUME   497113.296 3606725.004 62.72
   LOCATION L0000274     VOLUME   497113.294 3606728.284 63.14
   LOCATION L0000275     VOLUME   497113.291 3606731.564 63.56
   LOCATION L0000276     VOLUME   497113.289 3606734.844 63.98
   LOCATION L0000277     VOLUME   497113.287 3606738.124 64.40
   LOCATION L0000278     VOLUME   497113.285 3606741.404 64.82
   LOCATION L0000279     VOLUME   497113.283 3606744.684 65.25
   LOCATION L0000280     VOLUME   497113.281 3606747.964 66.04
   LOCATION L0000281     VOLUME   497113.279 3606751.244 66.83
   LOCATION L0000282     VOLUME   497113.276 3606754.524 67.63
   LOCATION L0000283     VOLUME   497113.274 3606757.804 68.42
   LOCATION L0000284     VOLUME   497113.272 3606761.084 69.21
   LOCATION L0000285     VOLUME   497113.270 3606764.364 70.01
   LOCATION L0000286     VOLUME   497113.268 3606767.644 70.80
   LOCATION L0000287     VOLUME   497113.266 3606770.924 71.59
   LOCATION L0000288     VOLUME   497113.264 3606774.204 72.39
   LOCATION L0000289     VOLUME   497113.261 3606777.484 72.87
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Shinohara Lane from Project Driveway to Brandywine Ave
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 2.59E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 3
** 497126.126, 3606562.573, 46.29, 0.00, 1.53
** 497128.006, 3606560.276, 46.47, 0.00, 1.53
** 497249.204, 3606559.551, 48.32, 0.00, 1.53
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   LOCATION L0000147     VOLUME   497127.165 3606561.304 46.94
   LOCATION L0000148     VOLUME   497129.958 3606560.264 47.13
   LOCATION L0000149     VOLUME   497133.238 3606560.244 47.48
   LOCATION L0000150     VOLUME   497136.517 3606560.225 47.83
   LOCATION L0000151     VOLUME   497139.797 3606560.205 48.18
   LOCATION L0000152     VOLUME   497143.077 3606560.186 48.53
   LOCATION L0000153     VOLUME   497146.357 3606560.166 48.79
   LOCATION L0000154     VOLUME   497149.637 3606560.146 48.69
   LOCATION L0000155     VOLUME   497152.917 3606560.127 48.58
   LOCATION L0000156     VOLUME   497156.197 3606560.107 48.47
   LOCATION L0000157     VOLUME   497159.477 3606560.087 48.36
   LOCATION L0000158     VOLUME   497162.757 3606560.068 48.26
   LOCATION L0000159     VOLUME   497166.037 3606560.048 48.15
   LOCATION L0000160     VOLUME   497169.317 3606560.029 48.04
   LOCATION L0000161     VOLUME   497172.597 3606560.009 47.97
   LOCATION L0000162     VOLUME   497175.877 3606559.989 48.02
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   LOCATION L0000163     VOLUME   497179.157 3606559.970 48.07
   LOCATION L0000164     VOLUME   497182.437 3606559.950 48.11
   LOCATION L0000165     VOLUME   497185.717 3606559.931 48.16
   LOCATION L0000166     VOLUME   497188.997 3606559.911 48.21
   LOCATION L0000167     VOLUME   497192.276 3606559.891 48.25
   LOCATION L0000168     VOLUME   497195.556 3606559.872 48.30
   LOCATION L0000169     VOLUME   497198.836 3606559.852 48.34
   LOCATION L0000170     VOLUME   497202.116 3606559.832 48.36
   LOCATION L0000171     VOLUME   497205.396 3606559.813 48.37
   LOCATION L0000172     VOLUME   497208.676 3606559.793 48.39
   LOCATION L0000173     VOLUME   497211.956 3606559.774 48.41
   LOCATION L0000174     VOLUME   497215.236 3606559.754 48.43
   LOCATION L0000175     VOLUME   497218.516 3606559.734 48.45
   LOCATION L0000176     VOLUME   497221.796 3606559.715 48.47
   LOCATION L0000177     VOLUME   497225.076 3606559.695 48.48
   LOCATION L0000178     VOLUME   497228.356 3606559.676 48.46
   LOCATION L0000179     VOLUME   497231.636 3606559.656 48.43
   LOCATION L0000180     VOLUME   497234.916 3606559.636 48.41
   LOCATION L0000181     VOLUME   497238.196 3606559.617 48.39
   LOCATION L0000182     VOLUME   497241.476 3606559.597 48.37
   LOCATION L0000183     VOLUME   497244.756 3606559.577 48.35
   LOCATION L0000184     VOLUME   497248.035 3606559.558 48.32
** End of LINE VOLUME Source ID = SLINE2
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Brandywine Ave from Shinohara Lane to Main Street
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 3.64E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
** 497249.977, 3606559.231, 48.32, 0.00, 1.53
** 497251.206, 3606385.124, 42.07, 0.00, 1.53
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   LOCATION L0000537     VOLUME   497249.989 3606557.591 48.25
   LOCATION L0000538     VOLUME   497250.012 3606554.311 48.14
   LOCATION L0000539     VOLUME   497250.035 3606551.032 48.03
   LOCATION L0000540     VOLUME   497250.058 3606547.752 47.92
   LOCATION L0000541     VOLUME   497250.082 3606544.472 47.81
   LOCATION L0000542     VOLUME   497250.105 3606541.192 47.70
   LOCATION L0000543     VOLUME   497250.128 3606537.912 47.59
   LOCATION L0000544     VOLUME   497250.151 3606534.632 47.48
   LOCATION L0000545     VOLUME   497250.174 3606531.352 47.37
   LOCATION L0000546     VOLUME   497250.197 3606528.072 47.26
   LOCATION L0000547     VOLUME   497250.220 3606524.792 47.14
   LOCATION L0000548     VOLUME   497250.244 3606521.512 47.01
   LOCATION L0000549     VOLUME   497250.267 3606518.232 46.89
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   LOCATION L0000550     VOLUME   497250.290 3606514.952 46.77
   LOCATION L0000551     VOLUME   497250.313 3606511.673 46.64
   LOCATION L0000552     VOLUME   497250.336 3606508.393 46.52
   LOCATION L0000553     VOLUME   497250.359 3606505.113 46.39
   LOCATION L0000554     VOLUME   497250.382 3606501.833 46.27
   LOCATION L0000555     VOLUME   497250.406 3606498.553 46.14
   LOCATION L0000556     VOLUME   497250.429 3606495.273 45.99
   LOCATION L0000557     VOLUME   497250.452 3606491.993 45.84
   LOCATION L0000558     VOLUME   497250.475 3606488.713 45.69
   LOCATION L0000559     VOLUME   497250.498 3606485.433 45.53
   LOCATION L0000560     VOLUME   497250.521 3606482.153 45.38
   LOCATION L0000561     VOLUME   497250.544 3606478.873 45.22
   LOCATION L0000562     VOLUME   497250.567 3606475.593 45.07
   LOCATION L0000563     VOLUME   497250.591 3606472.314 44.92
   LOCATION L0000564     VOLUME   497250.614 3606469.034 44.76
   LOCATION L0000565     VOLUME   497250.637 3606465.754 44.60
   LOCATION L0000566     VOLUME   497250.660 3606462.474 44.42
   LOCATION L0000567     VOLUME   497250.683 3606459.194 44.24
   LOCATION L0000568     VOLUME   497250.706 3606455.914 44.07
   LOCATION L0000569     VOLUME   497250.729 3606452.634 43.90
   LOCATION L0000570     VOLUME   497250.753 3606449.354 43.72
   LOCATION L0000571     VOLUME   497250.776 3606446.074 43.55
   LOCATION L0000572     VOLUME   497250.799 3606442.794 43.38
   LOCATION L0000573     VOLUME   497250.822 3606439.514 43.20
   LOCATION L0000574     VOLUME   497250.845 3606436.234 43.03
   LOCATION L0000575     VOLUME   497250.868 3606432.955 42.90
   LOCATION L0000576     VOLUME   497250.891 3606429.675 42.76
   LOCATION L0000577     VOLUME   497250.915 3606426.395 42.62
   LOCATION L0000578     VOLUME   497250.938 3606423.115 42.48
   LOCATION L0000579     VOLUME   497250.961 3606419.835 42.35
   LOCATION L0000580     VOLUME   497250.984 3606416.555 42.21
   LOCATION L0000581     VOLUME   497251.007 3606413.275 42.07
   LOCATION L0000582     VOLUME   497251.030 3606409.995 41.94
   LOCATION L0000583     VOLUME   497251.053 3606406.715 41.80
   LOCATION L0000584     VOLUME   497251.077 3606403.435 41.79
   LOCATION L0000585     VOLUME   497251.100 3606400.155 41.83
   LOCATION L0000586     VOLUME   497251.123 3606396.875 41.86
   LOCATION L0000587     VOLUME   497251.146 3606393.595 41.89
   LOCATION L0000588     VOLUME   497251.169 3606390.316 41.93
   LOCATION L0000589     VOLUME   497251.192 3606387.036 41.96
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Main Street from Brandywine Ave to 805 freeway
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 0.0000124
** Elevated
** Vertical Dimension = 3.66
```

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** SZINIT = 0.85
** Nodes = 2
** 497250.550, 3606383.877, 42.07, 0.00, 1.53
** 496658.774, 3606390.392, 39.20, 0.00, 1.53
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   LOCATION L0000357     VOLUME   497248.910 3606383.895 41.98
   LOCATION L0000358     VOLUME   497245.630 3606383.931 42.02
   LOCATION L0000359     VOLUME   497242.350 3606383.967 42.06
   LOCATION L0000360     VOLUME   497239.071 3606384.003 42.10
   LOCATION L0000361     VOLUME   497235.791 3606384.040 42.14
   LOCATION L0000362     VOLUME   497232.511 3606384.076 42.18
   LOCATION L0000363     VOLUME   497229.231 3606384.112 42.22
   LOCATION L0000364     VOLUME   497225.951 3606384.148 42.26
   LOCATION L0000365     VOLUME   497222.672 3606384.184 42.29
   LOCATION L0000366     VOLUME   497219.392 3606384.220 42.28
   LOCATION L0000367     VOLUME   497216.112 3606384.256 42.27
   LOCATION L0000368     VOLUME   497212.832 3606384.292 42.26
   LOCATION L0000369     VOLUME   497209.552 3606384.328 42.25
   LOCATION L0000370     VOLUME   497206.273 3606384.365 42.25
   LOCATION L0000371     VOLUME   497202.993 3606384.401 42.24
   LOCATION L0000372     VOLUME   497199.713 3606384.437 42.23
   LOCATION L0000373     VOLUME   497196.433 3606384.473 42.22
   LOCATION L0000374     VOLUME   497193.153 3606384.509 42.21
   LOCATION L0000375     VOLUME   497189.874 3606384.545 42.21
   LOCATION L0000376     VOLUME   497186.594 3606384.581 42.20
   LOCATION L0000377     VOLUME   497183.314 3606384.617 42.19
   LOCATION L0000378     VOLUME   497180.034 3606384.653 42.19
   LOCATION L0000379     VOLUME   497176.754 3606384.690 42.18
   LOCATION L0000380     VOLUME   497173.475 3606384.726 42.17
   LOCATION L0000381     VOLUME   497170.195 3606384.762 42.18
   LOCATION L0000382     VOLUME   497166.915 3606384.798 42.18
   LOCATION L0000383     VOLUME   497163.635 3606384.834 42.19
   LOCATION L0000384     VOLUME   497160.355 3606384.870 42.20
   LOCATION L0000385     VOLUME   497157.076 3606384.906 42.21
   LOCATION L0000386     VOLUME   497153.796 3606384.942 42.22
   LOCATION L0000387     VOLUME   497150.516 3606384.978 42.23
   LOCATION L0000388     VOLUME   497147.236 3606385.015 42.24
   LOCATION L0000389     VOLUME   497143.956 3606385.051 42.19
   LOCATION L0000390     VOLUME   497140.677 3606385.087 42.08
   LOCATION L0000391     VOLUME   497137.397 3606385.123 41.96
   LOCATION L0000392     VOLUME   497134.117 3606385.159 41.85
   LOCATION L0000393     VOLUME   497130.837 3606385.195 41.73
   LOCATION L0000394     VOLUME   497127.557 3606385.231 41.62
   LOCATION L0000395     VOLUME   497124.278 3606385.267 41.50
   LOCATION L0000396     VOLUME   497120.998 3606385.303 41.38
   LOCATION L0000397     VOLUME   497117.718 3606385.340 41.35
   LOCATION L0000398     VOLUME   497114.438 3606385.376 41.36
   LOCATION L0000399     VOLUME   497111.158 3606385.412 41.38
   LOCATION L0000400     VOLUME   497107.879 3606385.448 41.40
   LOCATION L0000401     VOLUME   497104.599 3606385.484 41.42
   LOCATION L0000402     VOLUME   497101.319 3606385.520 41.44
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LOCATION L0000403     VOLUME   497098.039 3606385.556 41.46
LOCATION L0000404     VOLUME   497094.759 3606385.592 41.48
LOCATION L0000405     VOLUME   497091.480 3606385.628 41.39
LOCATION L0000406     VOLUME   497088.200 3606385.665 41.24
LOCATION L0000407     VOLUME   497084.920 3606385.701 41.09
LOCATION L0000408     VOLUME   497081.640 3606385.737 40.94
LOCATION L0000409     VOLUME   497078.360 3606385.773 40.79
LOCATION L0000410     VOLUME   497075.080 3606385.809 40.64
LOCATION L0000411     VOLUME   497071.801 3606385.845 40.49
LOCATION L0000412     VOLUME   497068.521 3606385.881 40.33
LOCATION L0000413     VOLUME   497065.241 3606385.917 40.33
LOCATION L0000414     VOLUME   497061.961 3606385.953 40.40
LOCATION L0000415     VOLUME   497058.681 3606385.990 40.46
LOCATION L0000416     VOLUME   497055.402 3606386.026 40.53
LOCATION L0000417     VOLUME   497052.122 3606386.062 40.60
LOCATION L0000418     VOLUME   497048.842 3606386.098 40.67
LOCATION L0000419     VOLUME   497045.562 3606386.134 40.74
LOCATION L0000420     VOLUME   497042.282 3606386.170 40.81
LOCATION L0000421     VOLUME   497039.003 3606386.206 40.83
LOCATION L0000422     VOLUME   497035.723 3606386.242 40.82
LOCATION L0000423     VOLUME   497032.443 3606386.278 40.82
LOCATION L0000424     VOLUME   497029.163 3606386.314 40.81
LOCATION L0000425     VOLUME   497025.883 3606386.351 40.81
LOCATION L0000426     VOLUME   497022.604 3606386.387 40.81
LOCATION L0000427     VOLUME   497019.324 3606386.423 40.80
LOCATION L0000428     VOLUME   497016.044 3606386.459 40.80
LOCATION L0000429     VOLUME   497012.764 3606386.495 40.79
LOCATION L0000430     VOLUME   497009.484 3606386.531 40.78
LOCATION L0000431     VOLUME   497006.205 3606386.567 40.76
LOCATION L0000432     VOLUME   497002.925 3606386.603 40.75
LOCATION L0000433     VOLUME   496999.645 3606386.639 40.74
LOCATION L0000434     VOLUME   496996.365 3606386.676 40.72
LOCATION L0000435     VOLUME   496993.085 3606386.712 40.71
LOCATION L0000436     VOLUME   496989.806 3606386.748 40.70
LOCATION L0000437     VOLUME   496986.526 3606386.784 40.67
LOCATION L0000438     VOLUME   496983.246 3606386.820 40.64
LOCATION L0000439     VOLUME   496979.966 3606386.856 40.62
LOCATION L0000440     VOLUME   496976.686 3606386.892 40.59
LOCATION L0000441     VOLUME   496973.407 3606386.928 40.56
LOCATION L0000442     VOLUME   496970.127 3606386.964 40.53
LOCATION L0000443     VOLUME   496966.847 3606387.001 40.50
LOCATION L0000444     VOLUME   496963.567 3606387.037 40.47
LOCATION L0000445     VOLUME   496960.287 3606387.073 40.45
LOCATION L0000446     VOLUME   496957.008 3606387.109 40.43
LOCATION L0000447     VOLUME   496953.728 3606387.145 40.40
LOCATION L0000448     VOLUME   496950.448 3606387.181 40.38
LOCATION L0000449     VOLUME   496947.168 3606387.217 40.36
LOCATION L0000450     VOLUME   496943.888 3606387.253 40.34
LOCATION L0000451     VOLUME   496940.609 3606387.289 40.32
LOCATION L0000452     VOLUME   496937.329 3606387.326 40.29
LOCATION L0000453     VOLUME   496934.049 3606387.362 40.43
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LOCATION L0000454     VOLUME   496930.769 3606387.398 40.57
LOCATION L0000455     VOLUME   496927.489 3606387.434 40.71
LOCATION L0000456     VOLUME   496924.210 3606387.470 40.85
LOCATION L0000457     VOLUME   496920.930 3606387.506 40.99
LOCATION L0000458     VOLUME   496917.650 3606387.542 41.13
LOCATION L0000459     VOLUME   496914.370 3606387.578 41.28
LOCATION L0000460     VOLUME   496911.090 3606387.614 41.42
LOCATION L0000461     VOLUME   496907.811 3606387.651 41.48
LOCATION L0000462     VOLUME   496904.531 3606387.687 41.53
LOCATION L0000463     VOLUME   496901.251 3606387.723 41.59
LOCATION L0000464     VOLUME   496897.971 3606387.759 41.64
LOCATION L0000465     VOLUME   496894.691 3606387.795 41.70
LOCATION L0000466     VOLUME   496891.412 3606387.831 41.75
LOCATION L0000467     VOLUME   496888.132 3606387.867 41.81
LOCATION L0000468     VOLUME   496884.852 3606387.903 41.86
LOCATION L0000469     VOLUME   496881.572 3606387.939 41.91
LOCATION L0000470     VOLUME   496878.292 3606387.976 41.95
LOCATION L0000471     VOLUME   496875.013 3606388.012 42.00
LOCATION L0000472     VOLUME   496871.733 3606388.048 42.04
LOCATION L0000473     VOLUME   496868.453 3606388.084 42.09
LOCATION L0000474     VOLUME   496865.173 3606388.120 42.13
LOCATION L0000475     VOLUME   496861.893 3606388.156 42.17
LOCATION L0000476     VOLUME   496858.614 3606388.192 42.22
LOCATION L0000477     VOLUME   496855.334 3606388.228 42.26
LOCATION L0000478     VOLUME   496852.054 3606388.264 42.30
LOCATION L0000479     VOLUME   496848.774 3606388.301 42.35
LOCATION L0000480     VOLUME   496845.494 3606388.337 42.39
LOCATION L0000481     VOLUME   496842.215 3606388.373 42.43
LOCATION L0000482     VOLUME   496838.935 3606388.409 42.48
LOCATION L0000483     VOLUME   496835.655 3606388.445 42.52
LOCATION L0000484     VOLUME   496832.375 3606388.481 42.56
LOCATION L0000485     VOLUME   496829.095 3606388.517 42.61
LOCATION L0000486     VOLUME   496825.816 3606388.553 42.65
LOCATION L0000487     VOLUME   496822.536 3606388.589 42.70
LOCATION L0000488     VOLUME   496819.256 3606388.626 42.74
LOCATION L0000489     VOLUME   496815.976 3606388.662 42.79
LOCATION L0000490     VOLUME   496812.696 3606388.698 42.83
LOCATION L0000491     VOLUME   496809.417 3606388.734 42.88
LOCATION L0000492     VOLUME   496806.137 3606388.770 42.92
LOCATION L0000493     VOLUME   496802.857 3606388.806 42.94
LOCATION L0000494     VOLUME   496799.577 3606388.842 42.97
LOCATION L0000495     VOLUME   496796.297 3606388.878 43.00
LOCATION L0000496     VOLUME   496793.018 3606388.914 43.03
LOCATION L0000497     VOLUME   496789.738 3606388.951 43.06
LOCATION L0000498     VOLUME   496786.458 3606388.987 43.09
LOCATION L0000499     VOLUME   496783.178 3606389.023 43.12
LOCATION L0000500     VOLUME   496779.898 3606389.059 43.13
LOCATION L0000501     VOLUME   496776.619 3606389.095 43.06
LOCATION L0000502     VOLUME   496773.339 3606389.131 42.99
LOCATION L0000503     VOLUME   496770.059 3606389.167 42.92
LOCATION L0000504     VOLUME   496766.779 3606389.203 42.85
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   LOCATION L0000505     VOLUME   496763.499 3606389.239 42.78
   LOCATION L0000506     VOLUME   496760.220 3606389.276 42.71
   LOCATION L0000507     VOLUME   496756.940 3606389.312 42.64
   LOCATION L0000508     VOLUME   496753.660 3606389.348 42.57
   LOCATION L0000509     VOLUME   496750.380 3606389.384 42.49
   LOCATION L0000510     VOLUME   496747.100 3606389.420 42.42
   LOCATION L0000511     VOLUME   496743.821 3606389.456 42.35
   LOCATION L0000512     VOLUME   496740.541 3606389.492 42.27
   LOCATION L0000513     VOLUME   496737.261 3606389.528 42.20
   LOCATION L0000514     VOLUME   496733.981 3606389.564 42.12
   LOCATION L0000515     VOLUME   496730.701 3606389.601 42.05
   LOCATION L0000516     VOLUME   496727.422 3606389.637 41.95
   LOCATION L0000517     VOLUME   496724.142 3606389.673 41.82
   LOCATION L0000518     VOLUME   496720.862 3606389.709 41.69
   LOCATION L0000519     VOLUME   496717.582 3606389.745 41.56
   LOCATION L0000520     VOLUME   496714.302 3606389.781 41.43
   LOCATION L0000521     VOLUME   496711.023 3606389.817 41.29
   LOCATION L0000522     VOLUME   496707.743 3606389.853 41.16
   LOCATION L0000523     VOLUME   496704.463 3606389.889 41.03
   LOCATION L0000524     VOLUME   496701.183 3606389.926 40.89
   LOCATION L0000525     VOLUME   496697.903 3606389.962 40.73
   LOCATION L0000526     VOLUME   496694.624 3606389.998 40.57
   LOCATION L0000527     VOLUME   496691.344 3606390.034 40.41
   LOCATION L0000528     VOLUME   496688.064 3606390.070 40.26
   LOCATION L0000529     VOLUME   496684.784 3606390.106 40.10
   LOCATION L0000530     VOLUME   496681.504 3606390.142 39.94
   LOCATION L0000531     VOLUME   496678.225 3606390.178 39.78
   LOCATION L0000532     VOLUME   496674.945 3606390.214 39.66
   LOCATION L0000533     VOLUME   496671.665 3606390.251 39.58
   LOCATION L0000534     VOLUME   496668.385 3606390.287 39.51
   LOCATION L0000535     VOLUME   496665.105 3606390.323 39.43
   LOCATION L0000536     VOLUME   496661.826 3606390.359 39.36
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      497086.160  3606629.320       54.370
** DESCRSRC Idle Position 1
   LOCATION STCK2        POINT      497085.270  3606660.680       59.380
** DESCRSRC Idle Position 2
   LOCATION STCK3        POINT      497085.940  3606691.590       62.580
** DESCRSRC Idle Position 3
   LOCATION STCK4        POINT      497086.160  3606731.400       64.210
** DESCRSRC Idle Position 4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC 805 Freeway Northbound Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 2.86E-06
** Elevated
** Vertical Dimension = 3.66
```

```
** SZINIT = 0.85
** Nodes = 3
** 496660.808, 3606392.737, 39.18, 0.00, 1.53
** 496656.048, 3606447.305, 40.21, 0.00, 1.53
** 496635.811, 3606665.221, 55.96, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0000643     VOLUME   496660.665 3606394.370 39.32
   LOCATION L0000644     VOLUME   496660.380 3606397.638 39.30
   LOCATION L0000645     VOLUME   496660.095 3606400.906 39.28
   LOCATION L0000646     VOLUME   496659.810 3606404.173 39.26
   LOCATION L0000647     VOLUME   496659.525 3606407.441 39.33
   LOCATION L0000648     VOLUME   496659.240 3606410.708 39.51
   LOCATION L0000649     VOLUME   496658.955 3606413.976 39.67
   LOCATION L0000650     VOLUME   496658.670 3606417.244 39.83
   LOCATION L0000651     VOLUME   496658.385 3606420.511 39.97
   LOCATION L0000652     VOLUME   496658.100 3606423.779 40.11
   LOCATION L0000653     VOLUME   496657.815 3606427.046 40.23
   LOCATION L0000654     VOLUME   496657.530 3606430.314 40.34
   LOCATION L0000655     VOLUME   496657.245 3606433.581 40.44
   LOCATION L0000656     VOLUME   496656.960 3606436.849 40.53
   LOCATION L0000657     VOLUME   496656.675 3606440.117 40.67
   LOCATION L0000658     VOLUME   496656.390 3606443.384 40.80
   LOCATION L0000659     VOLUME   496656.105 3606446.652 40.93
   LOCATION L0000660     VOLUME   496655.805 3606449.918 41.04
   LOCATION L0000661     VOLUME   496655.502 3606453.184 41.14
   LOCATION L0000662     VOLUME   496655.198 3606456.450 41.24
   LOCATION L0000663     VOLUME   496654.895 3606459.716 41.33
   LOCATION L0000664     VOLUME   496654.592 3606462.982 41.41
   LOCATION L0000665     VOLUME   496654.288 3606466.248 41.48
   LOCATION L0000666     VOLUME   496653.985 3606469.514 41.57
   LOCATION L0000667     VOLUME   496653.682 3606472.780 41.67
   LOCATION L0000668     VOLUME   496653.379 3606476.046 41.77
   LOCATION L0000669     VOLUME   496653.075 3606479.312 41.86
   LOCATION L0000670     VOLUME   496652.772 3606482.578 41.96
   LOCATION L0000671     VOLUME   496652.469 3606485.844 42.04
   LOCATION L0000672     VOLUME   496652.165 3606489.109 42.13
   LOCATION L0000673     VOLUME   496651.862 3606492.375 42.21
   LOCATION L0000674     VOLUME   496651.559 3606495.641 42.29
   LOCATION L0000675     VOLUME   496651.255 3606498.907 42.39
   LOCATION L0000676     VOLUME   496650.952 3606502.173 42.58
   LOCATION L0000677     VOLUME   496650.649 3606505.439 42.77
   LOCATION L0000678     VOLUME   496650.346 3606508.705 43.03
   LOCATION L0000679     VOLUME   496650.042 3606511.971 43.39
   LOCATION L0000680     VOLUME   496649.739 3606515.237 43.75
   LOCATION L0000681     VOLUME   496649.436 3606518.503 44.10
   LOCATION L0000682     VOLUME   496649.132 3606521.769 44.44
   LOCATION L0000683     VOLUME   496648.829 3606525.035 44.78
   LOCATION L0000684     VOLUME   496648.526 3606528.301 45.12
   LOCATION L0000685     VOLUME   496648.223 3606531.567 45.39
   LOCATION L0000686     VOLUME   496647.919 3606534.833 45.64
   LOCATION L0000687     VOLUME   496647.616 3606538.099 45.89
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   LOCATION L0000688     VOLUME   496647.313 3606541.365 46.13
   LOCATION L0000689     VOLUME   496647.009 3606544.631 46.37
   LOCATION L0000690     VOLUME   496646.706 3606547.897 46.61
   LOCATION L0000691     VOLUME   496646.403 3606551.162 46.84
   LOCATION L0000692     VOLUME   496646.099 3606554.428 47.07
   LOCATION L0000693     VOLUME   496645.796 3606557.694 47.29
   LOCATION L0000694     VOLUME   496645.493 3606560.960 47.56
   LOCATION L0000695     VOLUME   496645.190 3606564.226 47.96
   LOCATION L0000696     VOLUME   496644.886 3606567.492 48.35
   LOCATION L0000697     VOLUME   496644.583 3606570.758 48.72
   LOCATION L0000698     VOLUME   496644.280 3606574.024 49.09
   LOCATION L0000699     VOLUME   496643.976 3606577.290 49.46
   LOCATION L0000700     VOLUME   496643.673 3606580.556 49.81
   LOCATION L0000701     VOLUME   496643.370 3606583.822 50.16
   LOCATION L0000702     VOLUME   496643.066 3606587.088 50.50
   LOCATION L0000703     VOLUME   496642.763 3606590.354 50.83
   LOCATION L0000704     VOLUME   496642.460 3606593.620 51.19
   LOCATION L0000705     VOLUME   496642.157 3606596.886 51.55
   LOCATION L0000706     VOLUME   496641.853 3606600.152 51.89
   LOCATION L0000707     VOLUME   496641.550 3606603.418 52.23
   LOCATION L0000708     VOLUME   496641.247 3606606.684 52.56
   LOCATION L0000709     VOLUME   496640.943 3606609.950 52.88
   LOCATION L0000710     VOLUME   496640.640 3606613.215 53.19
   LOCATION L0000711     VOLUME   496640.337 3606616.481 53.49
   LOCATION L0000712     VOLUME   496640.034 3606619.747 53.78
   LOCATION L0000713     VOLUME   496639.730 3606623.013 54.04
   LOCATION L0000714     VOLUME   496639.427 3606626.279 54.27
   LOCATION L0000715     VOLUME   496639.124 3606629.545 54.50
   LOCATION L0000716     VOLUME   496638.820 3606632.811 54.71
   LOCATION L0000717     VOLUME   496638.517 3606636.077 54.93
   LOCATION L0000718     VOLUME   496638.214 3606639.343 55.14
   LOCATION L0000719     VOLUME   496637.910 3606642.609 55.34
   LOCATION L0000720     VOLUME   496637.607 3606645.875 55.54
   LOCATION L0000721     VOLUME   496637.304 3606649.141 55.73
   LOCATION L0000722     VOLUME   496637.001 3606652.407 55.92
   LOCATION L0000723     VOLUME   496636.697 3606655.673 56.04
   LOCATION L0000724     VOLUME   496636.394 3606658.939 56.15
   LOCATION L0000725     VOLUME   496636.091 3606662.205 56.26
** End of LINE VOLUME Source ID = SLINE5
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Main Street from 805 NB Ramp to SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 2.17E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
```

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** 496657.542, 3606389.788, 39.21, 0.00, 1.53
** 496535.861, 3606385.384, 39.14, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0000726     VOLUME   496655.903 3606389.729 39.23
   LOCATION L0000727     VOLUME   496652.625 3606389.610 39.16
   LOCATION L0000728     VOLUME   496649.347 3606389.492 39.21
   LOCATION L0000729     VOLUME   496646.069 3606389.373 39.53
   LOCATION L0000730     VOLUME   496642.791 3606389.254 39.85
   LOCATION L0000731     VOLUME   496639.514 3606389.136 40.15
   LOCATION L0000732     VOLUME   496636.236 3606389.017 40.46
   LOCATION L0000733     VOLUME   496632.958 3606388.898 40.75
   LOCATION L0000734     VOLUME   496629.680 3606388.780 41.04
   LOCATION L0000735     VOLUME   496626.402 3606388.661 41.33
   LOCATION L0000736     VOLUME   496623.124 3606388.542 41.55
   LOCATION L0000737     VOLUME   496619.846 3606388.424 41.66
   LOCATION L0000738     VOLUME   496616.569 3606388.305 41.77
   LOCATION L0000739     VOLUME   496613.291 3606388.186 41.88
   LOCATION L0000740     VOLUME   496610.013 3606388.068 41.99
   LOCATION L0000741     VOLUME   496606.735 3606387.949 42.09
   LOCATION L0000742     VOLUME   496603.457 3606387.830 42.19
   LOCATION L0000743     VOLUME   496600.179 3606387.712 42.29
   LOCATION L0000744     VOLUME   496596.901 3606387.593 42.32
   LOCATION L0000745     VOLUME   496593.624 3606387.475 42.28
   LOCATION L0000746     VOLUME   496590.346 3606387.356 42.23
   LOCATION L0000747     VOLUME   496587.068 3606387.237 42.18
   LOCATION L0000748     VOLUME   496583.790 3606387.119 42.14
   LOCATION L0000749     VOLUME   496580.512 3606387.000 42.09
   LOCATION L0000750     VOLUME   496577.234 3606386.881 42.05
   LOCATION L0000751     VOLUME   496573.956 3606386.763 42.00
   LOCATION L0000752     VOLUME   496570.679 3606386.644 41.79
   LOCATION L0000753     VOLUME   496567.401 3606386.525 41.41
   LOCATION L0000754     VOLUME   496564.123 3606386.407 41.03
   LOCATION L0000755     VOLUME   496560.845 3606386.288 40.66
   LOCATION L0000756     VOLUME   496557.567 3606386.169 40.30
   LOCATION L0000757     VOLUME   496554.289 3606386.051 39.94
   LOCATION L0000758     VOLUME   496551.012 3606385.932 39.60
   LOCATION L0000759     VOLUME   496547.734 3606385.814 39.26
   LOCATION L0000760     VOLUME   496544.456 3606385.695 39.15
   LOCATION L0000761     VOLUME   496541.178 3606385.576 39.26
   LOCATION L0000762     VOLUME   496537.900 3606385.458 39.37
** End of LINE VOLUME Source ID = SLINE6
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC 805 SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 2.58E-06
** Elevated
** Vertical Dimension = 3.66
```

```
** SZINIT = 0.85
** Nodes = 2
** 496537.129, 3606382.811, 39.16, 0.00, 1.53
** 496567.248, 3606137.652, 39.35, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0000763     VOLUME   496537.329 3606381.184 39.30
   LOCATION L0000764     VOLUME   496537.729 3606377.928 39.24
   LOCATION L0000765     VOLUME   496538.129 3606374.673 39.17
   LOCATION L0000766     VOLUME   496538.529 3606371.417 39.08
   LOCATION L0000767     VOLUME   496538.929 3606368.161 39.00
   LOCATION L0000768     VOLUME   496539.329 3606364.906 38.92
   LOCATION L0000769     VOLUME   496539.729 3606361.650 38.84
   LOCATION L0000770     VOLUME   496540.129 3606358.395 38.76
   LOCATION L0000771     VOLUME   496540.529 3606355.139 38.69
   LOCATION L0000772     VOLUME   496540.929 3606351.884 38.62
   LOCATION L0000773     VOLUME   496541.329 3606348.628 38.55
   LOCATION L0000774     VOLUME   496541.729 3606345.373 38.49
   LOCATION L0000775     VOLUME   496542.129 3606342.117 38.48
   LOCATION L0000776     VOLUME   496542.529 3606338.862 38.48
   LOCATION L0000777     VOLUME   496542.929 3606335.606 38.50
   LOCATION L0000778     VOLUME   496543.329 3606332.351 38.51
   LOCATION L0000779     VOLUME   496543.728 3606329.095 38.53
   LOCATION L0000780     VOLUME   496544.128 3606325.840 38.55
   LOCATION L0000781     VOLUME   496544.528 3606322.584 38.58
   LOCATION L0000782     VOLUME   496544.928 3606319.329 38.61
   LOCATION L0000783     VOLUME   496545.328 3606316.073 38.64
   LOCATION L0000784     VOLUME   496545.728 3606312.818 38.69
   LOCATION L0000785     VOLUME   496546.128 3606309.562 38.77
   LOCATION L0000786     VOLUME   496546.528 3606306.307 38.91
   LOCATION L0000787     VOLUME   496546.928 3606303.051 39.04
   LOCATION L0000788     VOLUME   496547.328 3606299.795 39.17
   LOCATION L0000789     VOLUME   496547.728 3606296.540 39.30
   LOCATION L0000790     VOLUME   496548.128 3606293.284 39.42
   LOCATION L0000791     VOLUME   496548.528 3606290.029 39.54
   LOCATION L0000792     VOLUME   496548.928 3606286.773 39.65
   LOCATION L0000793     VOLUME   496549.328 3606283.518 39.76
   LOCATION L0000794     VOLUME   496549.728 3606280.262 39.87
   LOCATION L0000795     VOLUME   496550.128 3606277.007 39.99
   LOCATION L0000796     VOLUME   496550.528 3606273.751 40.09
   LOCATION L0000797     VOLUME   496550.928 3606270.496 40.20
   LOCATION L0000798     VOLUME   496551.328 3606267.240 40.30
   LOCATION L0000799     VOLUME   496551.728 3606263.985 40.39
   LOCATION L0000800     VOLUME   496552.128 3606260.729 40.48
   LOCATION L0000801     VOLUME   496552.528 3606257.474 40.57
   LOCATION L0000802     VOLUME   496552.928 3606254.218 40.65
   LOCATION L0000803     VOLUME   496553.328 3606250.963 40.67
   LOCATION L0000804     VOLUME   496553.727 3606247.707 40.59
   LOCATION L0000805     VOLUME   496554.127 3606244.452 40.50
   LOCATION L0000806     VOLUME   496554.527 3606241.196 40.42
   LOCATION L0000807     VOLUME   496554.927 3606237.941 40.34
   LOCATION L0000808     VOLUME   496555.327 3606234.685 40.27
```

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   LOCATION L0000809     VOLUME   496555.727 3606231.429 40.19
   LOCATION L0000810     VOLUME   496556.127 3606228.174 40.12
   LOCATION L0000811     VOLUME   496556.527 3606224.918 40.05
   LOCATION L0000812     VOLUME   496556.927 3606221.663 39.99
   LOCATION L0000813     VOLUME   496557.327 3606218.407 39.91
   LOCATION L0000814     VOLUME   496557.727 3606215.152 39.83
   LOCATION L0000815     VOLUME   496558.127 3606211.896 39.76
   LOCATION L0000816     VOLUME   496558.527 3606208.641 39.68
   LOCATION L0000817     VOLUME   496558.927 3606205.385 39.62
   LOCATION L0000818     VOLUME   496559.327 3606202.130 39.55
   LOCATION L0000819     VOLUME   496559.727 3606198.874 39.49
   LOCATION L0000820     VOLUME   496560.127 3606195.619 39.43
   LOCATION L0000821     VOLUME   496560.527 3606192.363 39.38
   LOCATION L0000822     VOLUME   496560.927 3606189.108 39.32
   LOCATION L0000823     VOLUME   496561.327 3606185.852 39.27
   LOCATION L0000824     VOLUME   496561.727 3606182.597 39.22
   LOCATION L0000825     VOLUME   496562.127 3606179.341 39.17
   LOCATION L0000826     VOLUME   496562.527 3606176.086 39.13
   LOCATION L0000827     VOLUME   496562.927 3606172.830 39.09
   LOCATION L0000828     VOLUME   496563.326 3606169.575 39.05
   LOCATION L0000829     VOLUME   496563.726 3606166.319 39.02
   LOCATION L0000830     VOLUME   496564.126 3606163.063 39.00
   LOCATION L0000831     VOLUME   496564.526 3606159.808 38.97
   LOCATION L0000832     VOLUME   496564.926 3606156.552 38.98
   LOCATION L0000833     VOLUME   496565.326 3606153.297 38.99
   LOCATION L0000834     VOLUME   496565.726 3606150.041 39.00
   LOCATION L0000835     VOLUME   496566.126 3606146.786 39.01
   LOCATION L0000836     VOLUME   496566.526 3606143.530 39.03
   LOCATION L0000837     VOLUME   496566.926 3606140.275 39.04
** End of LINE VOLUME Source ID = SLINE7
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000223     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000224     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000225     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000226     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000227     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000228     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000229     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000230     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000231     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000232     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000233     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000234     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000235     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000236     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000237     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000238     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000239     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000240     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000241     0.0000001439      0.00      1.53      0.85
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   SRCPARAM L0000242     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000243     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000244     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000245     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000246     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000247     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000248     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000249     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000250     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000251     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000252     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000253     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000254     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000255     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000256     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000257     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000258     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000259     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000260     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000261     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000262     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000263     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000264     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000265     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000266     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000267     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000268     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000269     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000270     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000271     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000272     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000273     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000274     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000275     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000276     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000277     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000278     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000279     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000280     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000281     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000282     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000283     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000284     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000285     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000286     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000287     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000288     0.0000001439      0.00      1.53      0.85
   SRCPARAM L0000289     0.0000001439      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000147     0.00000006816      0.00      1.53      0.85
```

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   SRCPARAM L0000148     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000149     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000150     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000151     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000152     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000153     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000154     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000155     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000156     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000157     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000158     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000159     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000160     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000161     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000162     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000163     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000164     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000165     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000166     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000167     0.00000006816      0.00      1.53      0.85
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   SRCPARAM L0000169     0.00000006816      0.00      1.53      0.85
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   SRCPARAM L0000172     0.00000006816      0.00      1.53      0.85
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   SRCPARAM L0000176     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000177     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000178     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000179     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000180     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000181     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000182     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000183     0.00000006816      0.00      1.53      0.85
   SRCPARAM L0000184     0.00000006816      0.00      1.53      0.85
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** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000537     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000538     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000539     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000540     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000541     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000542     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000543     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000544     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000545     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000546     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000547     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000548     0.00000006868      0.00      1.53      0.85
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   SRCPARAM L0000549     0.00000006868      0.00      1.53      0.85
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   SRCPARAM L0000551     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000552     0.00000006868      0.00      1.53      0.85
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   SRCPARAM L0000557     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000558     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000559     0.00000006868      0.00      1.53      0.85
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   SRCPARAM L0000565     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000566     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000567     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000568     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000569     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000570     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000571     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000572     0.00000006868      0.00      1.53      0.85
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   SRCPARAM L0000578     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000579     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000580     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000581     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000582     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000583     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000584     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000585     0.00000006868      0.00      1.53      0.85
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   SRCPARAM L0000587     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000588     0.00000006868      0.00      1.53      0.85
   SRCPARAM L0000589     0.00000006868      0.00      1.53      0.85
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** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000357     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000358     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000359     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000360     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000361     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000362     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000363     0.00000006889      0.00      1.53      0.85
   SRCPARAM L0000364     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000365     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000366     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000367     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000368     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000370     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000371     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000372     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000375     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000381     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000382     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000383     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000384     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000386     0.00000006889      0.00      1.53      0.85
SRCPARAM L0000387     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000390     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000466     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000467     0.00000006889      0.00      1.53      0.85
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SRCPARAM L0000517     0.00000006889      0.00      1.53      0.85
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   SRCPARAM L0000518     0.00000006889      0.00      1.53      0.85
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   SRCPARAM L0000536     0.00000006889      0.00      1.53      0.85
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   SRCPARAM STCK1        0.0000296     3.658   366.000  51.90000     0.100
   SRCPARAM STCK2        0.0000296     3.658   366.000  51.90000     0.100
   SRCPARAM STCK3        0.0000296     3.658   366.000 551.90000     0.100
   SRCPARAM STCK4        0.0000296     3.658   366.000  51.90000     0.100
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000643     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000644     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000645     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000646     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000647     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000648     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000649     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000650     0.00000003446      0.00      1.53      0.85
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   SRCPARAM L0000653     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000654     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000655     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000656     0.00000003446      0.00      1.53      0.85
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   SRCPARAM L0000658     0.00000003446      0.00      1.53      0.85
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   SRCPARAM L0000664     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000665     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000666     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000667     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000668     0.00000003446      0.00      1.53      0.85
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SRCPARAM L0000669     0.00000003446      0.00      1.53      0.85
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SRCPARAM L0000674     0.00000003446      0.00      1.53      0.85
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SRCPARAM L0000676     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000677     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000678     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000679     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000680     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000681     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000682     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000683     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000684     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000685     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000686     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000687     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000688     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000689     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000690     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000691     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000692     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000693     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000694     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000695     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000696     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000697     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000698     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000699     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000700     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000701     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000702     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000703     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000704     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000705     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000706     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000707     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000708     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000709     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000710     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000711     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000712     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000713     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000714     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000715     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000716     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000717     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000718     0.00000003446      0.00      1.53      0.85
SRCPARAM L0000719     0.00000003446      0.00      1.53      0.85
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   SRCPARAM L0000720     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000721     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000722     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000723     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000724     0.00000003446      0.00      1.53      0.85
   SRCPARAM L0000725     0.00000003446      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0000726     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000727     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000728     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000729     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000730     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000731     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000732     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000733     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000734     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000735     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000736     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000737     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000738     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000739     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000740     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000741     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000742     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000743     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000744     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000745     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000746     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000747     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000748     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000749     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000750     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000751     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000752     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000753     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000754     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000755     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000756     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000757     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000758     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000759     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000760     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000761     0.00000005865      0.00      1.53      0.85
   SRCPARAM L0000762     0.00000005865      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0000763     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000764     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000765     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000766     0.0000000344      0.00      1.53      0.85
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SRCPARAM L0000767     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000768     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000769     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000770     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000771     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000772     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000773     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000774     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000775     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000776     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000777     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000778     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000779     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000780     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000781     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000782     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000783     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000784     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000785     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000786     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000787     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000788     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000789     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000790     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000791     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000792     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000793     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000794     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000795     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000796     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000797     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000798     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000799     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000800     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000801     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000802     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000803     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000804     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000805     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000806     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000807     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000808     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000809     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000810     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000811     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000812     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000813     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000814     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000815     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000816     0.0000000344      0.00      1.53      0.85
SRCPARAM L0000817     0.0000000344      0.00      1.53      0.85
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   SRCPARAM L0000818     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000819     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000820     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000821     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000822     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000823     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000824     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000825     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000826     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000827     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000828     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000829     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000830     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000831     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000832     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000833     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000834     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000835     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000836     0.0000000344      0.00      1.53      0.85
   SRCPARAM L0000837     0.0000000344      0.00      1.53      0.85
** ------------------------------------------------------------------------

** Building Downwash **
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
```

BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK4	164.25	138.47	108.47	134.62	161.13	183.02

BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN	STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN	STCK4	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
XBADJ	STCK1	-61.02	-75.09	-86.87	-96.02	-102.25	-105.37
XBADJ	STCK1	-105.29	-102.01	-95.63	-116.76	-136.70	-152.49
XBADJ	STCK1	-163.64	-169.83	-170.85	-166.68	-157.45	-143.43
XBADJ	STCK1	-141.44	-136.53	-127.48	-114.66	-98.83	-80.00
XBADJ	STCK1	-58.97	-36.46	-12.84	-17.86	-24.43	-30.53
XBADJ	STCK1	-35.71	-39.80	-42.90	-45.08	-45.88	-45.29
XBADJ	STCK2	-91.75	-104.25	-113.59	-119.47	-121.72	-120.28
XBADJ	STCK2	-115.18	-106.58	-94.74	-110.44	-125.14	-136.04
XBADJ	STCK2	-142.80	-145.23	-143.25	-136.91	-126.41	-112.07
XBADJ	STCK2	-110.71	-107.37	-100.77	-91.21	-79.36	-65.09
XBADJ	STCK2	-49.08	-31.89	-13.73	-24.18	-35.99	-46.98
XBADJ	STCK2	-56.55	-64.40	-70.51	-74.85	-76.92	-76.65
XBADJ	STCK3	-122.31	-133.53	-140.69	-143.58	-142.10	-136.31
XBADJ	STCK3	-126.38	-112.61	-95.41	-105.73	-115.20	-121.16
XBADJ	STCK3	-123.45	-121.98	-116.81	-108.09	-96.08	-81.16
XBADJ	STCK3	-80.16	-78.09	-73.66	-67.10	-58.97	-49.06
XBADJ	STCK3	-37.88	-25.86	-13.06	-28.89	-45.93	-61.86
XBADJ	STCK3	-75.91	-87.65	-96.94	-103.67	-107.24	-107.56
XBADJ	STCK4	-161.55	-171.01	-175.28	-174.22	-167.86	-156.41
XBADJ	STCK4	-140.20	-119.73	-95.63	-99.03	-101.79	-101.45
XBADJ	STCK4	-98.03	-91.63	-82.45	-70.76	-56.92	-41.35
XBADJ	STCK4	-40.91	-40.61	-39.08	-36.46	-33.22	-28.96
XBADJ	STCK4	-24.05	-18.73	-12.84	-35.59	-59.34	-81.57
XBADJ	STCK4	-101.33	-118.00	-131.31	-141.00	-146.41	-147.37
YBADJ	STCK1	49.45	56.14	60.98	63.97	65.01	63.97
YBADJ	STCK1	60.80	55.78	49.07	40.21	30.72	20.30
YBADJ	STCK1	9.32	-1.71	-12.68	-23.16	-32.78	-41.40
YBADJ	STCK1	-49.45	-56.14	-60.98	-63.97	-65.01	-63.97
YBADJ	STCK1	-60.80	-55.78	-49.07	-40.21	-30.72	-20.30
YBADJ	STCK1	-9.32	1.71	12.68	23.16	32.78	41.40
YBADJ	STCK2	43.13	44.57	44.53	43.13	40.42	36.37
YBADJ	STCK2	31.03	24.75	17.71	9.48	1.56	-6.41
YBADJ	STCK2	-14.13	-21.18	-27.59	-33.05	-37.34	-40.51
YBADJ	STCK2	-43.13	-44.57	-44.53	-43.13	-40.42	-36.37
YBADJ	STCK2	-31.03	-24.75	-17.71	-9.48	-1.56	6.41
YBADJ	STCK2	14.13	21.18	27.59	33.05	37.34	40.51
YBADJ	STCK3	38.42	34.63	29.65	23.77	17.17	9.94
YBADJ	STCK3	2.21	-5.58	-13.20	-21.08	-27.72	-33.51
YBADJ	STCK3	-38.24	-41.56	-43.63	-44.25	-43.37	-41.17
YBADJ	STCK3	-38.42	-34.63	-29.65	-23.77	-17.17	-9.94

```
   YBADJ    STCK3           -2.21     5.58    13.20    21.08    27.72    33.51
   YBADJ    STCK3           38.24    41.56    43.63    44.25    43.37    41.17

   YBADJ    STCK4           31.72    21.22     9.94    -1.65   -13.19   -24.43
   YBADJ    STCK4          -35.12   -44.75   -53.01   -60.32   -65.20   -68.10
   YBADJ    STCK4          -68.88   -67.32   -63.72   -58.07   -50.50   -41.39
   YBADJ    STCK4          -31.72   -21.22    -9.94     1.65    13.19    24.43
   YBADJ    STCK4           35.12    44.75    53.01    60.32    65.20    68.10
   YBADJ    STCK4           68.88    67.32    63.72    58.07    50.50    41.39

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Shinohara HRA.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC
   PROFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
   SURFDATA 3178 2009
   UAIRDATA 3190 2009
   PROFBASE 157.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "Shinohara HRA.AD\PE00GALL.PLT" 31
   SUMMFILE "Shinohara HRA.sum"
OU FINISHED


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

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

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


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


   ********   WARNING MESSAGES   ********
SO W320    1041        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1042        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1043        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1044        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

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

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 537 Source(s);   1 Source Group(s); and   451 Receptor(s)

               with: 4 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 533 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

```
**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs 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) =   157.00 ;  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:   Shinohara HRA.err
**File for Summary of Results:   Shinohara HRA.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.29600E-04	497086.2	3606629.3	54.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK2	0	0.29600E-04	497085.3	3606660.7	59.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK3	0	0.29600E-04	497085.9	3606691.6	62.6	3.66	366.00	551.90	0.10	YES	NO	NO	
STCK4	0	0.29600E-04	497086.2	3606731.4	64.2	3.66	366.00	51.90	0.10	YES	NO	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000223	0	0.14390E-06	497124.0	3606564.8	46.9	0.00	1.53	0.85	NO	
L0000224	0	0.14390E-06	497121.7	3606567.2	46.8	0.00	1.53	0.85	NO	
L0000225	0	0.14390E-06	497119.5	3606569.6	46.7	0.00	1.53	0.85	NO	
L0000226	0	0.14390E-06	497117.2	3606572.0	46.9	0.00	1.53	0.85	NO	
L0000227	0	0.14390E-06	497115.8	3606574.9	47.2	0.00	1.53	0.85	NO	
L0000228	0	0.14390E-06	497114.7	3606578.0	47.4	0.00	1.53	0.85	NO	
L0000229	0	0.14390E-06	497113.6	3606581.1	47.7	0.00	1.53	0.85	NO	
L0000230	0	0.14390E-06	497112.5	3606584.2	47.9	0.00	1.53	0.85	NO	
L0000231	0	0.14390E-06	497111.5	3606587.3	48.1	0.00	1.53	0.85	NO	
L0000232	0	0.14390E-06	497111.5	3606590.5	48.4	0.00	1.53	0.85	NO	
L0000233	0	0.14390E-06	497111.6	3606593.8	48.7	0.00	1.53	0.85	NO	
L0000234	0	0.14390E-06	497111.7	3606597.1	48.9	0.00	1.53	0.85	NO	
L0000235	0	0.14390E-06	497111.8	3606600.4	49.2	0.00	1.53	0.85	NO	
L0000236	0	0.14390E-06	497111.9	3606603.7	49.5	0.00	1.53	0.85	NO	
L0000237	0	0.14390E-06	497112.0	3606606.9	49.8	0.00	1.53	0.85	NO	
L0000238	0	0.14390E-06	497112.1	3606610.2	50.1	0.00	1.53	0.85	NO	
L0000239	0	0.14390E-06	497112.2	3606613.5	50.4	0.00	1.53	0.85	NO	
L0000240	0	0.14390E-06	497112.3	3606616.8	50.6	0.00	1.53	0.85	NO	
L0000241	0	0.14390E-06	497112.3	3606620.1	50.9	0.00	1.53	0.85	NO	
L0000242	0	0.14390E-06	497112.4	3606623.3	51.2	0.00	1.53	0.85	NO	
L0000243	0	0.14390E-06	497112.5	3606626.6	51.5	0.00	1.53	0.85	NO	
L0000244	0	0.14390E-06	497112.6	3606629.9	51.8	0.00	1.53	0.85	NO	
L0000245	0	0.14390E-06	497112.7	3606633.2	52.1	0.00	1.53	0.85	NO	
L0000246	0	0.14390E-06	497112.8	3606636.5	52.4	0.00	1.53	0.85	NO	
L0000247	0	0.14390E-06	497112.9	3606639.7	52.7	0.00	1.53	0.85	NO	
L0000248	0	0.14390E-06	497113.0	3606643.0	53.0	0.00	1.53	0.85	NO	
L0000249	0	0.14390E-06	497113.1	3606646.3	53.3	0.00	1.53	0.85	NO	
L0000250	0	0.14390E-06	497113.1	3606649.6	53.6	0.00	1.53	0.85	NO	
L0000251	0	0.14390E-06	497113.2	3606652.8	53.9	0.00	1.53	0.85	NO	
L0000252	0	0.14390E-06	497113.3	3606656.1	54.3	0.00	1.53	0.85	NO	
L0000253	0	0.14390E-06	497113.3	3606659.4	54.7	0.00	1.53	0.85	NO	
L0000254	0	0.14390E-06	497113.3	3606662.7	55.1	0.00	1.53	0.85	NO	
L0000255	0	0.14390E-06	497113.3	3606666.0	55.5	0.00	1.53	0.85	NO	
L0000256	0	0.14390E-06	497113.3	3606669.2	56.0	0.00	1.53	0.85	NO	
L0000257	0	0.14390E-06	497113.3	3606672.5	56.4	0.00	1.53	0.85	NO	
L0000258	0	0.14390E-06	497113.3	3606675.8	56.8	0.00	1.53	0.85	NO	
L0000259	0	0.14390E-06	497113.3	3606679.1	57.2	0.00	1.53	0.85	NO	
L0000260	0	0.14390E-06	497113.3	3606682.4	57.6	0.00	1.53	0.85	NO	

L0000261	0	0.14390E-06	497113.3	3606685.6	58.0	0.00	1.53	0.85	NO
L0000262	0	0.14390E-06	497113.3	3606688.9	58.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000263	0	0.14390E-06	497113.3	3606692.2	58.7	0.00	1.53	0.85	NO	
L0000264	0	0.14390E-06	497113.3	3606695.5	59.1	0.00	1.53	0.85	NO	
L0000265	0	0.14390E-06	497113.3	3606698.8	59.5	0.00	1.53	0.85	NO	
L0000266	0	0.14390E-06	497113.3	3606702.0	59.9	0.00	1.53	0.85	NO	
L0000267	0	0.14390E-06	497113.3	3606705.3	60.3	0.00	1.53	0.85	NO	
L0000268	0	0.14390E-06	497113.3	3606708.6	60.7	0.00	1.53	0.85	NO	
L0000269	0	0.14390E-06	497113.3	3606711.9	61.1	0.00	1.53	0.85	NO	
L0000270	0	0.14390E-06	497113.3	3606715.2	61.5	0.00	1.53	0.85	NO	
L0000271	0	0.14390E-06	497113.3	3606718.4	61.9	0.00	1.53	0.85	NO	
L0000272	0	0.14390E-06	497113.3	3606721.7	62.3	0.00	1.53	0.85	NO	
L0000273	0	0.14390E-06	497113.3	3606725.0	62.7	0.00	1.53	0.85	NO	
L0000274	0	0.14390E-06	497113.3	3606728.3	63.1	0.00	1.53	0.85	NO	
L0000275	0	0.14390E-06	497113.3	3606731.6	63.6	0.00	1.53	0.85	NO	
L0000276	0	0.14390E-06	497113.3	3606734.8	64.0	0.00	1.53	0.85	NO	
L0000277	0	0.14390E-06	497113.3	3606738.1	64.4	0.00	1.53	0.85	NO	
L0000278	0	0.14390E-06	497113.3	3606741.4	64.8	0.00	1.53	0.85	NO	
L0000279	0	0.14390E-06	497113.3	3606744.7	65.2	0.00	1.53	0.85	NO	
L0000280	0	0.14390E-06	497113.3	3606748.0	66.0	0.00	1.53	0.85	NO	
L0000281	0	0.14390E-06	497113.3	3606751.2	66.8	0.00	1.53	0.85	NO	
L0000282	0	0.14390E-06	497113.3	3606754.5	67.6	0.00	1.53	0.85	NO	
L0000283	0	0.14390E-06	497113.3	3606757.8	68.4	0.00	1.53	0.85	NO	
L0000284	0	0.14390E-06	497113.3	3606761.1	69.2	0.00	1.53	0.85	NO	
L0000285	0	0.14390E-06	497113.3	3606764.4	70.0	0.00	1.53	0.85	NO	
L0000286	0	0.14390E-06	497113.3	3606767.6	70.8	0.00	1.53	0.85	NO	
L0000287	0	0.14390E-06	497113.3	3606770.9	71.6	0.00	1.53	0.85	NO	
L0000288	0	0.14390E-06	497113.3	3606774.2	72.4	0.00	1.53	0.85	NO	
L0000289	0	0.14390E-06	497113.3	3606777.5	72.9	0.00	1.53	0.85	NO	
L0000147	0	0.68160E-07	497127.2	3606561.3	46.9	0.00	1.53	0.85	NO	
L0000148	0	0.68160E-07	497130.0	3606560.3	47.1	0.00	1.53	0.85	NO	
L0000149	0	0.68160E-07	497133.2	3606560.2	47.5	0.00	1.53	0.85	NO	
L0000150	0	0.68160E-07	497136.5	3606560.2	47.8	0.00	1.53	0.85	NO	
L0000151	0	0.68160E-07	497139.8	3606560.2	48.2	0.00	1.53	0.85	NO	
L0000152	0	0.68160E-07	497143.1	3606560.2	48.5	0.00	1.53	0.85	NO	
L0000153	0	0.68160E-07	497146.4	3606560.2	48.8	0.00	1.53	0.85	NO	
L0000154	0	0.68160E-07	497149.6	3606560.1	48.7	0.00	1.53	0.85	NO	
L0000155	0	0.68160E-07	497152.9	3606560.1	48.6	0.00	1.53	0.85	NO	
L0000156	0	0.68160E-07	497156.2	3606560.1	48.5	0.00	1.53	0.85	NO	
L0000157	0	0.68160E-07	497159.5	3606560.1	48.4	0.00	1.53	0.85	NO	

L0000158	0	0.68160E-07	497162.8	3606560.1	48.3	0.00	1.53	0.85	NO
L0000159	0	0.68160E-07	497166.0	3606560.0	48.1	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000160	0	0.68160E-07	497169.3	3606560.0	48.0	0.00	1.53	0.85	NO	
L0000161	0	0.68160E-07	497172.6	3606560.0	48.0	0.00	1.53	0.85	NO	
L0000162	0	0.68160E-07	497175.9	3606560.0	48.0	0.00	1.53	0.85	NO	
L0000163	0	0.68160E-07	497179.2	3606560.0	48.1	0.00	1.53	0.85	NO	
L0000164	0	0.68160E-07	497182.4	3606559.9	48.1	0.00	1.53	0.85	NO	
L0000165	0	0.68160E-07	497185.7	3606559.9	48.2	0.00	1.53	0.85	NO	
L0000166	0	0.68160E-07	497189.0	3606559.9	48.2	0.00	1.53	0.85	NO	
L0000167	0	0.68160E-07	497192.3	3606559.9	48.2	0.00	1.53	0.85	NO	
L0000168	0	0.68160E-07	497195.6	3606559.9	48.3	0.00	1.53	0.85	NO	
L0000169	0	0.68160E-07	497198.8	3606559.9	48.3	0.00	1.53	0.85	NO	
L0000170	0	0.68160E-07	497202.1	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000171	0	0.68160E-07	497205.4	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000172	0	0.68160E-07	497208.7	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000173	0	0.68160E-07	497212.0	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000174	0	0.68160E-07	497215.2	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000175	0	0.68160E-07	497218.5	3606559.7	48.4	0.00	1.53	0.85	NO	
L0000176	0	0.68160E-07	497221.8	3606559.7	48.5	0.00	1.53	0.85	NO	
L0000177	0	0.68160E-07	497225.1	3606559.7	48.5	0.00	1.53	0.85	NO	
L0000178	0	0.68160E-07	497228.4	3606559.7	48.5	0.00	1.53	0.85	NO	
L0000179	0	0.68160E-07	497231.6	3606559.7	48.4	0.00	1.53	0.85	NO	
L0000180	0	0.68160E-07	497234.9	3606559.6	48.4	0.00	1.53	0.85	NO	
L0000181	0	0.68160E-07	497238.2	3606559.6	48.4	0.00	1.53	0.85	NO	
L0000182	0	0.68160E-07	497241.5	3606559.6	48.4	0.00	1.53	0.85	NO	
L0000183	0	0.68160E-07	497244.8	3606559.6	48.3	0.00	1.53	0.85	NO	
L0000184	0	0.68160E-07	497248.0	3606559.6	48.3	0.00	1.53	0.85	NO	
L0000537	0	0.68680E-07	497250.0	3606557.6	48.2	0.00	1.53	0.85	NO	
L0000538	0	0.68680E-07	497250.0	3606554.3	48.1	0.00	1.53	0.85	NO	
L0000539	0	0.68680E-07	497250.0	3606551.0	48.0	0.00	1.53	0.85	NO	
L0000540	0	0.68680E-07	497250.1	3606547.8	47.9	0.00	1.53	0.85	NO	
L0000541	0	0.68680E-07	497250.1	3606544.5	47.8	0.00	1.53	0.85	NO	
L0000542	0	0.68680E-07	497250.1	3606541.2	47.7	0.00	1.53	0.85	NO	
L0000543	0	0.68680E-07	497250.1	3606537.9	47.6	0.00	1.53	0.85	NO	
L0000544	0	0.68680E-07	497250.2	3606534.6	47.5	0.00	1.53	0.85	NO	
L0000545	0	0.68680E-07	497250.2	3606531.4	47.4	0.00	1.53	0.85	NO	
L0000546	0	0.68680E-07	497250.2	3606528.1	47.3	0.00	1.53	0.85	NO	
L0000547	0	0.68680E-07	497250.2	3606524.8	47.1	0.00	1.53	0.85	NO	
L0000548	0	0.68680E-07	497250.2	3606521.5	47.0	0.00	1.53	0.85	NO	
L0000549	0	0.68680E-07	497250.3	3606518.2	46.9	0.00	1.53	0.85	NO	

L0000550	0	0.68680E-07	497250.3	3606515.0	46.8	0.00	1.53	0.85	NO
L0000551	0	0.68680E-07	497250.3	3606511.7	46.6	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000552	0	0.68680E-07	497250.3	3606508.4	46.5	0.00	1.53	0.85	NO	
L0000553	0	0.68680E-07	497250.4	3606505.1	46.4	0.00	1.53	0.85	NO	
L0000554	0	0.68680E-07	497250.4	3606501.8	46.3	0.00	1.53	0.85	NO	
L0000555	0	0.68680E-07	497250.4	3606498.6	46.1	0.00	1.53	0.85	NO	
L0000556	0	0.68680E-07	497250.4	3606495.3	46.0	0.00	1.53	0.85	NO	
L0000557	0	0.68680E-07	497250.5	3606492.0	45.8	0.00	1.53	0.85	NO	
L0000558	0	0.68680E-07	497250.5	3606488.7	45.7	0.00	1.53	0.85	NO	
L0000559	0	0.68680E-07	497250.5	3606485.4	45.5	0.00	1.53	0.85	NO	
L0000560	0	0.68680E-07	497250.5	3606482.2	45.4	0.00	1.53	0.85	NO	
L0000561	0	0.68680E-07	497250.5	3606478.9	45.2	0.00	1.53	0.85	NO	
L0000562	0	0.68680E-07	497250.6	3606475.6	45.1	0.00	1.53	0.85	NO	
L0000563	0	0.68680E-07	497250.6	3606472.3	44.9	0.00	1.53	0.85	NO	
L0000564	0	0.68680E-07	497250.6	3606469.0	44.8	0.00	1.53	0.85	NO	
L0000565	0	0.68680E-07	497250.6	3606465.8	44.6	0.00	1.53	0.85	NO	
L0000566	0	0.68680E-07	497250.7	3606462.5	44.4	0.00	1.53	0.85	NO	
L0000567	0	0.68680E-07	497250.7	3606459.2	44.2	0.00	1.53	0.85	NO	
L0000568	0	0.68680E-07	497250.7	3606455.9	44.1	0.00	1.53	0.85	NO	
L0000569	0	0.68680E-07	497250.7	3606452.6	43.9	0.00	1.53	0.85	NO	
L0000570	0	0.68680E-07	497250.8	3606449.4	43.7	0.00	1.53	0.85	NO	
L0000571	0	0.68680E-07	497250.8	3606446.1	43.5	0.00	1.53	0.85	NO	
L0000572	0	0.68680E-07	497250.8	3606442.8	43.4	0.00	1.53	0.85	NO	
L0000573	0	0.68680E-07	497250.8	3606439.5	43.2	0.00	1.53	0.85	NO	
L0000574	0	0.68680E-07	497250.8	3606436.2	43.0	0.00	1.53	0.85	NO	
L0000575	0	0.68680E-07	497250.9	3606433.0	42.9	0.00	1.53	0.85	NO	
L0000576	0	0.68680E-07	497250.9	3606429.7	42.8	0.00	1.53	0.85	NO	
L0000577	0	0.68680E-07	497250.9	3606426.4	42.6	0.00	1.53	0.85	NO	
L0000578	0	0.68680E-07	497250.9	3606423.1	42.5	0.00	1.53	0.85	NO	
L0000579	0	0.68680E-07	497251.0	3606419.8	42.3	0.00	1.53	0.85	NO	
L0000580	0	0.68680E-07	497251.0	3606416.6	42.2	0.00	1.53	0.85	NO	
L0000581	0	0.68680E-07	497251.0	3606413.3	42.1	0.00	1.53	0.85	NO	
L0000582	0	0.68680E-07	497251.0	3606410.0	41.9	0.00	1.53	0.85	NO	
L0000583	0	0.68680E-07	497251.1	3606406.7	41.8	0.00	1.53	0.85	NO	
L0000584	0	0.68680E-07	497251.1	3606403.4	41.8	0.00	1.53	0.85	NO	
L0000585	0	0.68680E-07	497251.1	3606400.2	41.8	0.00	1.53	0.85	NO	
L0000586	0	0.68680E-07	497251.1	3606396.9	41.9	0.00	1.53	0.85	NO	
L0000587	0	0.68680E-07	497251.1	3606393.6	41.9	0.00	1.53	0.85	NO	
L0000588	0	0.68680E-07	497251.2	3606390.3	41.9	0.00	1.53	0.85	NO	
L0000589	0	0.68680E-07	497251.2	3606387.0	42.0	0.00	1.53	0.85	NO	

L0000357	0	0.68890E-07	497248.9	3606383.9	42.0	0.00	1.53	0.85	NO
L0000358	0	0.68890E-07	497245.6	3606383.9	42.0	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000359	0	0.68890E-07	497242.3	3606384.0	42.1	0.00	1.53	0.85	NO	
L0000360	0	0.68890E-07	497239.1	3606384.0	42.1	0.00	1.53	0.85	NO	
L0000361	0	0.68890E-07	497235.8	3606384.0	42.1	0.00	1.53	0.85	NO	
L0000362	0	0.68890E-07	497232.5	3606384.1	42.2	0.00	1.53	0.85	NO	
L0000363	0	0.68890E-07	497229.2	3606384.1	42.2	0.00	1.53	0.85	NO	
L0000364	0	0.68890E-07	497226.0	3606384.1	42.3	0.00	1.53	0.85	NO	
L0000365	0	0.68890E-07	497222.7	3606384.2	42.3	0.00	1.53	0.85	NO	
L0000366	0	0.68890E-07	497219.4	3606384.2	42.3	0.00	1.53	0.85	NO	
L0000367	0	0.68890E-07	497216.1	3606384.3	42.3	0.00	1.53	0.85	NO	
L0000368	0	0.68890E-07	497212.8	3606384.3	42.3	0.00	1.53	0.85	NO	
L0000369	0	0.68890E-07	497209.6	3606384.3	42.2	0.00	1.53	0.85	NO	
L0000370	0	0.68890E-07	497206.3	3606384.4	42.2	0.00	1.53	0.85	NO	
L0000371	0	0.68890E-07	497203.0	3606384.4	42.2	0.00	1.53	0.85	NO	
L0000372	0	0.68890E-07	497199.7	3606384.4	42.2	0.00	1.53	0.85	NO	
L0000373	0	0.68890E-07	497196.4	3606384.5	42.2	0.00	1.53	0.85	NO	
L0000374	0	0.68890E-07	497193.2	3606384.5	42.2	0.00	1.53	0.85	NO	
L0000375	0	0.68890E-07	497189.9	3606384.5	42.2	0.00	1.53	0.85	NO	
L0000376	0	0.68890E-07	497186.6	3606384.6	42.2	0.00	1.53	0.85	NO	
L0000377	0	0.68890E-07	497183.3	3606384.6	42.2	0.00	1.53	0.85	NO	
L0000378	0	0.68890E-07	497180.0	3606384.7	42.2	0.00	1.53	0.85	NO	
L0000379	0	0.68890E-07	497176.8	3606384.7	42.2	0.00	1.53	0.85	NO	
L0000380	0	0.68890E-07	497173.5	3606384.7	42.2	0.00	1.53	0.85	NO	
L0000381	0	0.68890E-07	497170.2	3606384.8	42.2	0.00	1.53	0.85	NO	
L0000382	0	0.68890E-07	497166.9	3606384.8	42.2	0.00	1.53	0.85	NO	
L0000383	0	0.68890E-07	497163.6	3606384.8	42.2	0.00	1.53	0.85	NO	
L0000384	0	0.68890E-07	497160.4	3606384.9	42.2	0.00	1.53	0.85	NO	
L0000385	0	0.68890E-07	497157.1	3606384.9	42.2	0.00	1.53	0.85	NO	
L0000386	0	0.68890E-07	497153.8	3606384.9	42.2	0.00	1.53	0.85	NO	
L0000387	0	0.68890E-07	497150.5	3606385.0	42.2	0.00	1.53	0.85	NO	
L0000388	0	0.68890E-07	497147.2	3606385.0	42.2	0.00	1.53	0.85	NO	
L0000389	0	0.68890E-07	497144.0	3606385.1	42.2	0.00	1.53	0.85	NO	
L0000390	0	0.68890E-07	497140.7	3606385.1	42.1	0.00	1.53	0.85	NO	
L0000391	0	0.68890E-07	497137.4	3606385.1	42.0	0.00	1.53	0.85	NO	
L0000392	0	0.68890E-07	497134.1	3606385.2	41.8	0.00	1.53	0.85	NO	
L0000393	0	0.68890E-07	497130.8	3606385.2	41.7	0.00	1.53	0.85	NO	
L0000394	0	0.68890E-07	497127.6	3606385.2	41.6	0.00	1.53	0.85	NO	
L0000395	0	0.68890E-07	497124.3	3606385.3	41.5	0.00	1.53	0.85	NO	
L0000396	0	0.68890E-07	497121.0	3606385.3	41.4	0.00	1.53	0.85	NO	

L0000397	0	0.68890E-07	497117.7	3606385.3	41.3	0.00	1.53	0.85	NO
L0000398	0	0.68890E-07	497114.4	3606385.4	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000399	0	0.68890E-07	497111.2	3606385.4	41.4	0.00	1.53	0.85	NO	
L0000400	0	0.68890E-07	497107.9	3606385.4	41.4	0.00	1.53	0.85	NO	
L0000401	0	0.68890E-07	497104.6	3606385.5	41.4	0.00	1.53	0.85	NO	
L0000402	0	0.68890E-07	497101.3	3606385.5	41.4	0.00	1.53	0.85	NO	
L0000403	0	0.68890E-07	497098.0	3606385.6	41.5	0.00	1.53	0.85	NO	
L0000404	0	0.68890E-07	497094.8	3606385.6	41.5	0.00	1.53	0.85	NO	
L0000405	0	0.68890E-07	497091.5	3606385.6	41.4	0.00	1.53	0.85	NO	
L0000406	0	0.68890E-07	497088.2	3606385.7	41.2	0.00	1.53	0.85	NO	
L0000407	0	0.68890E-07	497084.9	3606385.7	41.1	0.00	1.53	0.85	NO	
L0000408	0	0.68890E-07	497081.6	3606385.7	40.9	0.00	1.53	0.85	NO	
L0000409	0	0.68890E-07	497078.4	3606385.8	40.8	0.00	1.53	0.85	NO	
L0000410	0	0.68890E-07	497075.1	3606385.8	40.6	0.00	1.53	0.85	NO	
L0000411	0	0.68890E-07	497071.8	3606385.8	40.5	0.00	1.53	0.85	NO	
L0000412	0	0.68890E-07	497068.5	3606385.9	40.3	0.00	1.53	0.85	NO	
L0000413	0	0.68890E-07	497065.2	3606385.9	40.3	0.00	1.53	0.85	NO	
L0000414	0	0.68890E-07	497062.0	3606386.0	40.4	0.00	1.53	0.85	NO	
L0000415	0	0.68890E-07	497058.7	3606386.0	40.5	0.00	1.53	0.85	NO	
L0000416	0	0.68890E-07	497055.4	3606386.0	40.5	0.00	1.53	0.85	NO	
L0000417	0	0.68890E-07	497052.1	3606386.1	40.6	0.00	1.53	0.85	NO	
L0000418	0	0.68890E-07	497048.8	3606386.1	40.7	0.00	1.53	0.85	NO	
L0000419	0	0.68890E-07	497045.6	3606386.1	40.7	0.00	1.53	0.85	NO	
L0000420	0	0.68890E-07	497042.3	3606386.2	40.8	0.00	1.53	0.85	NO	
L0000421	0	0.68890E-07	497039.0	3606386.2	40.8	0.00	1.53	0.85	NO	
L0000422	0	0.68890E-07	497035.7	3606386.2	40.8	0.00	1.53	0.85	NO	
L0000423	0	0.68890E-07	497032.4	3606386.3	40.8	0.00	1.53	0.85	NO	
L0000424	0	0.68890E-07	497029.2	3606386.3	40.8	0.00	1.53	0.85	NO	
L0000425	0	0.68890E-07	497025.9	3606386.4	40.8	0.00	1.53	0.85	NO	
L0000426	0	0.68890E-07	497022.6	3606386.4	40.8	0.00	1.53	0.85	NO	
L0000427	0	0.68890E-07	497019.3	3606386.4	40.8	0.00	1.53	0.85	NO	
L0000428	0	0.68890E-07	497016.0	3606386.5	40.8	0.00	1.53	0.85	NO	
L0000429	0	0.68890E-07	497012.8	3606386.5	40.8	0.00	1.53	0.85	NO	
L0000430	0	0.68890E-07	497009.5	3606386.5	40.8	0.00	1.53	0.85	NO	
L0000431	0	0.68890E-07	497006.2	3606386.6	40.8	0.00	1.53	0.85	NO	
L0000432	0	0.68890E-07	497002.9	3606386.6	40.8	0.00	1.53	0.85	NO	
L0000433	0	0.68890E-07	496999.6	3606386.6	40.7	0.00	1.53	0.85	NO	
L0000434	0	0.68890E-07	496996.4	3606386.7	40.7	0.00	1.53	0.85	NO	
L0000435	0	0.68890E-07	496993.1	3606386.7	40.7	0.00	1.53	0.85	NO	
L0000436	0	0.68890E-07	496989.8	3606386.7	40.7	0.00	1.53	0.85	NO	

L0000437	0	0.68890E-07	496986.5	3606386.8	40.7	0.00	1.53	0.85	NO
L0000438	0	0.68890E-07	496983.2	3606386.8	40.6	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000439	0	0.68890E-07	496980.0	3606386.9	40.6	0.00	1.53	0.85	NO	
L0000440	0	0.68890E-07	496976.7	3606386.9	40.6	0.00	1.53	0.85	NO	
L0000441	0	0.68890E-07	496973.4	3606386.9	40.6	0.00	1.53	0.85	NO	
L0000442	0	0.68890E-07	496970.1	3606387.0	40.5	0.00	1.53	0.85	NO	
L0000443	0	0.68890E-07	496966.8	3606387.0	40.5	0.00	1.53	0.85	NO	
L0000444	0	0.68890E-07	496963.6	3606387.0	40.5	0.00	1.53	0.85	NO	
L0000445	0	0.68890E-07	496960.3	3606387.1	40.4	0.00	1.53	0.85	NO	
L0000446	0	0.68890E-07	496957.0	3606387.1	40.4	0.00	1.53	0.85	NO	
L0000447	0	0.68890E-07	496953.7	3606387.1	40.4	0.00	1.53	0.85	NO	
L0000448	0	0.68890E-07	496950.4	3606387.2	40.4	0.00	1.53	0.85	NO	
L0000449	0	0.68890E-07	496947.2	3606387.2	40.4	0.00	1.53	0.85	NO	
L0000450	0	0.68890E-07	496943.9	3606387.3	40.3	0.00	1.53	0.85	NO	
L0000451	0	0.68890E-07	496940.6	3606387.3	40.3	0.00	1.53	0.85	NO	
L0000452	0	0.68890E-07	496937.3	3606387.3	40.3	0.00	1.53	0.85	NO	
L0000453	0	0.68890E-07	496934.0	3606387.4	40.4	0.00	1.53	0.85	NO	
L0000454	0	0.68890E-07	496930.8	3606387.4	40.6	0.00	1.53	0.85	NO	
L0000455	0	0.68890E-07	496927.5	3606387.4	40.7	0.00	1.53	0.85	NO	
L0000456	0	0.68890E-07	496924.2	3606387.5	40.8	0.00	1.53	0.85	NO	
L0000457	0	0.68890E-07	496920.9	3606387.5	41.0	0.00	1.53	0.85	NO	
L0000458	0	0.68890E-07	496917.6	3606387.5	41.1	0.00	1.53	0.85	NO	
L0000459	0	0.68890E-07	496914.4	3606387.6	41.3	0.00	1.53	0.85	NO	
L0000460	0	0.68890E-07	496911.1	3606387.6	41.4	0.00	1.53	0.85	NO	
L0000461	0	0.68890E-07	496907.8	3606387.7	41.5	0.00	1.53	0.85	NO	
L0000462	0	0.68890E-07	496904.5	3606387.7	41.5	0.00	1.53	0.85	NO	
L0000463	0	0.68890E-07	496901.3	3606387.7	41.6	0.00	1.53	0.85	NO	
L0000464	0	0.68890E-07	496898.0	3606387.8	41.6	0.00	1.53	0.85	NO	
L0000465	0	0.68890E-07	496894.7	3606387.8	41.7	0.00	1.53	0.85	NO	
L0000466	0	0.68890E-07	496891.4	3606387.8	41.8	0.00	1.53	0.85	NO	
L0000467	0	0.68890E-07	496888.1	3606387.9	41.8	0.00	1.53	0.85	NO	
L0000468	0	0.68890E-07	496884.9	3606387.9	41.9	0.00	1.53	0.85	NO	
L0000469	0	0.68890E-07	496881.6	3606387.9	41.9	0.00	1.53	0.85	NO	
L0000470	0	0.68890E-07	496878.3	3606388.0	41.9	0.00	1.53	0.85	NO	
L0000471	0	0.68890E-07	496875.0	3606388.0	42.0	0.00	1.53	0.85	NO	
L0000472	0	0.68890E-07	496871.7	3606388.0	42.0	0.00	1.53	0.85	NO	
L0000473	0	0.68890E-07	496868.5	3606388.1	42.1	0.00	1.53	0.85	NO	
L0000474	0	0.68890E-07	496865.2	3606388.1	42.1	0.00	1.53	0.85	NO	
L0000475	0	0.68890E-07	496861.9	3606388.2	42.2	0.00	1.53	0.85	NO	
L0000476	0	0.68890E-07	496858.6	3606388.2	42.2	0.00	1.53	0.85	NO	

L0000477	0	0.68890E-07	496855.3	3606388.2	42.3	0.00	1.53	0.85	NO
L0000478	0	0.68890E-07	496852.1	3606388.3	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000479	0	0.68890E-07	496848.8	3606388.3	42.3	0.00	1.53	0.85	NO	
L0000480	0	0.68890E-07	496845.5	3606388.3	42.4	0.00	1.53	0.85	NO	
L0000481	0	0.68890E-07	496842.2	3606388.4	42.4	0.00	1.53	0.85	NO	
L0000482	0	0.68890E-07	496838.9	3606388.4	42.5	0.00	1.53	0.85	NO	
L0000483	0	0.68890E-07	496835.7	3606388.4	42.5	0.00	1.53	0.85	NO	
L0000484	0	0.68890E-07	496832.4	3606388.5	42.6	0.00	1.53	0.85	NO	
L0000485	0	0.68890E-07	496829.1	3606388.5	42.6	0.00	1.53	0.85	NO	
L0000486	0	0.68890E-07	496825.8	3606388.6	42.6	0.00	1.53	0.85	NO	
L0000487	0	0.68890E-07	496822.5	3606388.6	42.7	0.00	1.53	0.85	NO	
L0000488	0	0.68890E-07	496819.3	3606388.6	42.7	0.00	1.53	0.85	NO	
L0000489	0	0.68890E-07	496816.0	3606388.7	42.8	0.00	1.53	0.85	NO	
L0000490	0	0.68890E-07	496812.7	3606388.7	42.8	0.00	1.53	0.85	NO	
L0000491	0	0.68890E-07	496809.4	3606388.7	42.9	0.00	1.53	0.85	NO	
L0000492	0	0.68890E-07	496806.1	3606388.8	42.9	0.00	1.53	0.85	NO	
L0000493	0	0.68890E-07	496802.9	3606388.8	42.9	0.00	1.53	0.85	NO	
L0000494	0	0.68890E-07	496799.6	3606388.8	43.0	0.00	1.53	0.85	NO	
L0000495	0	0.68890E-07	496796.3	3606388.9	43.0	0.00	1.53	0.85	NO	
L0000496	0	0.68890E-07	496793.0	3606388.9	43.0	0.00	1.53	0.85	NO	
L0000497	0	0.68890E-07	496789.7	3606389.0	43.1	0.00	1.53	0.85	NO	
L0000498	0	0.68890E-07	496786.5	3606389.0	43.1	0.00	1.53	0.85	NO	
L0000499	0	0.68890E-07	496783.2	3606389.0	43.1	0.00	1.53	0.85	NO	
L0000500	0	0.68890E-07	496779.9	3606389.1	43.1	0.00	1.53	0.85	NO	
L0000501	0	0.68890E-07	496776.6	3606389.1	43.1	0.00	1.53	0.85	NO	
L0000502	0	0.68890E-07	496773.3	3606389.1	43.0	0.00	1.53	0.85	NO	
L0000503	0	0.68890E-07	496770.1	3606389.2	42.9	0.00	1.53	0.85	NO	
L0000504	0	0.68890E-07	496766.8	3606389.2	42.8	0.00	1.53	0.85	NO	
L0000505	0	0.68890E-07	496763.5	3606389.2	42.8	0.00	1.53	0.85	NO	
L0000506	0	0.68890E-07	496760.2	3606389.3	42.7	0.00	1.53	0.85	NO	
L0000507	0	0.68890E-07	496756.9	3606389.3	42.6	0.00	1.53	0.85	NO	
L0000508	0	0.68890E-07	496753.7	3606389.3	42.6	0.00	1.53	0.85	NO	
L0000509	0	0.68890E-07	496750.4	3606389.4	42.5	0.00	1.53	0.85	NO	
L0000510	0	0.68890E-07	496747.1	3606389.4	42.4	0.00	1.53	0.85	NO	
L0000511	0	0.68890E-07	496743.8	3606389.5	42.3	0.00	1.53	0.85	NO	
L0000512	0	0.68890E-07	496740.5	3606389.5	42.3	0.00	1.53	0.85	NO	
L0000513	0	0.68890E-07	496737.3	3606389.5	42.2	0.00	1.53	0.85	NO	
L0000514	0	0.68890E-07	496734.0	3606389.6	42.1	0.00	1.53	0.85	NO	
L0000515	0	0.68890E-07	496730.7	3606389.6	42.0	0.00	1.53	0.85	NO	
L0000516	0	0.68890E-07	496727.4	3606389.6	41.9	0.00	1.53	0.85	NO	

L0000517	0	0.68890E-07	496724.1	3606389.7	41.8	0.00	1.53	0.85	NO
L0000518	0	0.68890E-07	496720.9	3606389.7	41.7	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000519	0	0.68890E-07	496717.6	3606389.7	41.6	0.00	1.53	0.85	NO	
L0000520	0	0.68890E-07	496714.3	3606389.8	41.4	0.00	1.53	0.85	NO	
L0000521	0	0.68890E-07	496711.0	3606389.8	41.3	0.00	1.53	0.85	NO	
L0000522	0	0.68890E-07	496707.7	3606389.9	41.2	0.00	1.53	0.85	NO	
L0000523	0	0.68890E-07	496704.5	3606389.9	41.0	0.00	1.53	0.85	NO	
L0000524	0	0.68890E-07	496701.2	3606389.9	40.9	0.00	1.53	0.85	NO	
L0000525	0	0.68890E-07	496697.9	3606390.0	40.7	0.00	1.53	0.85	NO	
L0000526	0	0.68890E-07	496694.6	3606390.0	40.6	0.00	1.53	0.85	NO	
L0000527	0	0.68890E-07	496691.3	3606390.0	40.4	0.00	1.53	0.85	NO	
L0000528	0	0.68890E-07	496688.1	3606390.1	40.3	0.00	1.53	0.85	NO	
L0000529	0	0.68890E-07	496684.8	3606390.1	40.1	0.00	1.53	0.85	NO	
L0000530	0	0.68890E-07	496681.5	3606390.1	39.9	0.00	1.53	0.85	NO	
L0000531	0	0.68890E-07	496678.2	3606390.2	39.8	0.00	1.53	0.85	NO	
L0000532	0	0.68890E-07	496674.9	3606390.2	39.7	0.00	1.53	0.85	NO	
L0000533	0	0.68890E-07	496671.7	3606390.3	39.6	0.00	1.53	0.85	NO	
L0000534	0	0.68890E-07	496668.4	3606390.3	39.5	0.00	1.53	0.85	NO	
L0000535	0	0.68890E-07	496665.1	3606390.3	39.4	0.00	1.53	0.85	NO	
L0000536	0	0.68890E-07	496661.8	3606390.4	39.4	0.00	1.53	0.85	NO	
L0000643	0	0.34460E-07	496660.7	3606394.4	39.3	0.00	1.53	0.85	NO	
L0000644	0	0.34460E-07	496660.4	3606397.6	39.3	0.00	1.53	0.85	NO	
L0000645	0	0.34460E-07	496660.1	3606400.9	39.3	0.00	1.53	0.85	NO	
L0000646	0	0.34460E-07	496659.8	3606404.2	39.3	0.00	1.53	0.85	NO	
L0000647	0	0.34460E-07	496659.5	3606407.4	39.3	0.00	1.53	0.85	NO	
L0000648	0	0.34460E-07	496659.2	3606410.7	39.5	0.00	1.53	0.85	NO	
L0000649	0	0.34460E-07	496659.0	3606414.0	39.7	0.00	1.53	0.85	NO	
L0000650	0	0.34460E-07	496658.7	3606417.2	39.8	0.00	1.53	0.85	NO	
L0000651	0	0.34460E-07	496658.4	3606420.5	40.0	0.00	1.53	0.85	NO	
L0000652	0	0.34460E-07	496658.1	3606423.8	40.1	0.00	1.53	0.85	NO	
L0000653	0	0.34460E-07	496657.8	3606427.0	40.2	0.00	1.53	0.85	NO	
L0000654	0	0.34460E-07	496657.5	3606430.3	40.3	0.00	1.53	0.85	NO	
L0000655	0	0.34460E-07	496657.2	3606433.6	40.4	0.00	1.53	0.85	NO	
L0000656	0	0.34460E-07	496657.0	3606436.8	40.5	0.00	1.53	0.85	NO	
L0000657	0	0.34460E-07	496656.7	3606440.1	40.7	0.00	1.53	0.85	NO	
L0000658	0	0.34460E-07	496656.4	3606443.4	40.8	0.00	1.53	0.85	NO	
L0000659	0	0.34460E-07	496656.1	3606446.7	40.9	0.00	1.53	0.85	NO	
L0000660	0	0.34460E-07	496655.8	3606449.9	41.0	0.00	1.53	0.85	NO	
L0000661	0	0.34460E-07	496655.5	3606453.2	41.1	0.00	1.53	0.85	NO	
L0000662	0	0.34460E-07	496655.2	3606456.4	41.2	0.00	1.53	0.85	NO	

L0000663	0	0.34460E-07	496654.9	3606459.7	41.3	0.00	1.53	0.85	NO
L0000664	0	0.34460E-07	496654.6	3606463.0	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000665	0	0.34460E-07	496654.3	3606466.2	41.5	0.00	1.53	0.85	NO	
L0000666	0	0.34460E-07	496654.0	3606469.5	41.6	0.00	1.53	0.85	NO	
L0000667	0	0.34460E-07	496653.7	3606472.8	41.7	0.00	1.53	0.85	NO	
L0000668	0	0.34460E-07	496653.4	3606476.0	41.8	0.00	1.53	0.85	NO	
L0000669	0	0.34460E-07	496653.1	3606479.3	41.9	0.00	1.53	0.85	NO	
L0000670	0	0.34460E-07	496652.8	3606482.6	42.0	0.00	1.53	0.85	NO	
L0000671	0	0.34460E-07	496652.5	3606485.8	42.0	0.00	1.53	0.85	NO	
L0000672	0	0.34460E-07	496652.2	3606489.1	42.1	0.00	1.53	0.85	NO	
L0000673	0	0.34460E-07	496651.9	3606492.4	42.2	0.00	1.53	0.85	NO	
L0000674	0	0.34460E-07	496651.6	3606495.6	42.3	0.00	1.53	0.85	NO	
L0000675	0	0.34460E-07	496651.3	3606498.9	42.4	0.00	1.53	0.85	NO	
L0000676	0	0.34460E-07	496651.0	3606502.2	42.6	0.00	1.53	0.85	NO	
L0000677	0	0.34460E-07	496650.6	3606505.4	42.8	0.00	1.53	0.85	NO	
L0000678	0	0.34460E-07	496650.3	3606508.7	43.0	0.00	1.53	0.85	NO	
L0000679	0	0.34460E-07	496650.0	3606512.0	43.4	0.00	1.53	0.85	NO	
L0000680	0	0.34460E-07	496649.7	3606515.2	43.8	0.00	1.53	0.85	NO	
L0000681	0	0.34460E-07	496649.4	3606518.5	44.1	0.00	1.53	0.85	NO	
L0000682	0	0.34460E-07	496649.1	3606521.8	44.4	0.00	1.53	0.85	NO	
L0000683	0	0.34460E-07	496648.8	3606525.0	44.8	0.00	1.53	0.85	NO	
L0000684	0	0.34460E-07	496648.5	3606528.3	45.1	0.00	1.53	0.85	NO	
L0000685	0	0.34460E-07	496648.2	3606531.6	45.4	0.00	1.53	0.85	NO	
L0000686	0	0.34460E-07	496647.9	3606534.8	45.6	0.00	1.53	0.85	NO	
L0000687	0	0.34460E-07	496647.6	3606538.1	45.9	0.00	1.53	0.85	NO	
L0000688	0	0.34460E-07	496647.3	3606541.4	46.1	0.00	1.53	0.85	NO	
L0000689	0	0.34460E-07	496647.0	3606544.6	46.4	0.00	1.53	0.85	NO	
L0000690	0	0.34460E-07	496646.7	3606547.9	46.6	0.00	1.53	0.85	NO	
L0000691	0	0.34460E-07	496646.4	3606551.2	46.8	0.00	1.53	0.85	NO	
L0000692	0	0.34460E-07	496646.1	3606554.4	47.1	0.00	1.53	0.85	NO	
L0000693	0	0.34460E-07	496645.8	3606557.7	47.3	0.00	1.53	0.85	NO	
L0000694	0	0.34460E-07	496645.5	3606561.0	47.6	0.00	1.53	0.85	NO	
L0000695	0	0.34460E-07	496645.2	3606564.2	48.0	0.00	1.53	0.85	NO	
L0000696	0	0.34460E-07	496644.9	3606567.5	48.3	0.00	1.53	0.85	NO	
L0000697	0	0.34460E-07	496644.6	3606570.8	48.7	0.00	1.53	0.85	NO	
L0000698	0	0.34460E-07	496644.3	3606574.0	49.1	0.00	1.53	0.85	NO	
L0000699	0	0.34460E-07	496644.0	3606577.3	49.5	0.00	1.53	0.85	NO	
L0000700	0	0.34460E-07	496643.7	3606580.6	49.8	0.00	1.53	0.85	NO	
L0000701	0	0.34460E-07	496643.4	3606583.8	50.2	0.00	1.53	0.85	NO	
L0000702	0	0.34460E-07	496643.1	3606587.1	50.5	0.00	1.53	0.85	NO	

L0000703	0	0.34460E-07	496642.8	3606590.4	50.8	0.00	1.53	0.85	NO
L0000704	0	0.34460E-07	496642.5	3606593.6	51.2	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000705	0	0.34460E-07	496642.2	3606596.9	51.5	0.00	1.53	0.85	NO	
L0000706	0	0.34460E-07	496641.9	3606600.2	51.9	0.00	1.53	0.85	NO	
L0000707	0	0.34460E-07	496641.5	3606603.4	52.2	0.00	1.53	0.85	NO	
L0000708	0	0.34460E-07	496641.2	3606606.7	52.6	0.00	1.53	0.85	NO	
L0000709	0	0.34460E-07	496640.9	3606609.9	52.9	0.00	1.53	0.85	NO	
L0000710	0	0.34460E-07	496640.6	3606613.2	53.2	0.00	1.53	0.85	NO	
L0000711	0	0.34460E-07	496640.3	3606616.5	53.5	0.00	1.53	0.85	NO	
L0000712	0	0.34460E-07	496640.0	3606619.7	53.8	0.00	1.53	0.85	NO	
L0000713	0	0.34460E-07	496639.7	3606623.0	54.0	0.00	1.53	0.85	NO	
L0000714	0	0.34460E-07	496639.4	3606626.3	54.3	0.00	1.53	0.85	NO	
L0000715	0	0.34460E-07	496639.1	3606629.5	54.5	0.00	1.53	0.85	NO	
L0000716	0	0.34460E-07	496638.8	3606632.8	54.7	0.00	1.53	0.85	NO	
L0000717	0	0.34460E-07	496638.5	3606636.1	54.9	0.00	1.53	0.85	NO	
L0000718	0	0.34460E-07	496638.2	3606639.3	55.1	0.00	1.53	0.85	NO	
L0000719	0	0.34460E-07	496637.9	3606642.6	55.3	0.00	1.53	0.85	NO	
L0000720	0	0.34460E-07	496637.6	3606645.9	55.5	0.00	1.53	0.85	NO	
L0000721	0	0.34460E-07	496637.3	3606649.1	55.7	0.00	1.53	0.85	NO	
L0000722	0	0.34460E-07	496637.0	3606652.4	55.9	0.00	1.53	0.85	NO	
L0000723	0	0.34460E-07	496636.7	3606655.7	56.0	0.00	1.53	0.85	NO	
L0000724	0	0.34460E-07	496636.4	3606658.9	56.1	0.00	1.53	0.85	NO	
L0000725	0	0.34460E-07	496636.1	3606662.2	56.3	0.00	1.53	0.85	NO	
L0000726	0	0.58650E-07	496655.9	3606389.7	39.2	0.00	1.53	0.85	NO	
L0000727	0	0.58650E-07	496652.6	3606389.6	39.2	0.00	1.53	0.85	NO	
L0000728	0	0.58650E-07	496649.3	3606389.5	39.2	0.00	1.53	0.85	NO	
L0000729	0	0.58650E-07	496646.1	3606389.4	39.5	0.00	1.53	0.85	NO	
L0000730	0	0.58650E-07	496642.8	3606389.3	39.8	0.00	1.53	0.85	NO	
L0000731	0	0.58650E-07	496639.5	3606389.1	40.1	0.00	1.53	0.85	NO	
L0000732	0	0.58650E-07	496636.2	3606389.0	40.5	0.00	1.53	0.85	NO	
L0000733	0	0.58650E-07	496633.0	3606388.9	40.8	0.00	1.53	0.85	NO	
L0000734	0	0.58650E-07	496629.7	3606388.8	41.0	0.00	1.53	0.85	NO	
L0000735	0	0.58650E-07	496626.4	3606388.7	41.3	0.00	1.53	0.85	NO	
L0000736	0	0.58650E-07	496623.1	3606388.5	41.5	0.00	1.53	0.85	NO	
L0000737	0	0.58650E-07	496619.8	3606388.4	41.7	0.00	1.53	0.85	NO	
L0000738	0	0.58650E-07	496616.6	3606388.3	41.8	0.00	1.53	0.85	NO	
L0000739	0	0.58650E-07	496613.3	3606388.2	41.9	0.00	1.53	0.85	NO	
L0000740	0	0.58650E-07	496610.0	3606388.1	42.0	0.00	1.53	0.85	NO	
L0000741	0	0.58650E-07	496606.7	3606387.9	42.1	0.00	1.53	0.85	NO	
L0000742	0	0.58650E-07	496603.5	3606387.8	42.2	0.00	1.53	0.85	NO	

L0000743	0	0.58650E-07	496600.2	3606387.7	42.3	0.00	1.53	0.85	NO
L0000744	0	0.58650E-07	496596.9	3606387.6	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000745	0	0.58650E-07	496593.6	3606387.5	42.3	0.00	1.53	0.85	NO	
L0000746	0	0.58650E-07	496590.3	3606387.4	42.2	0.00	1.53	0.85	NO	
L0000747	0	0.58650E-07	496587.1	3606387.2	42.2	0.00	1.53	0.85	NO	
L0000748	0	0.58650E-07	496583.8	3606387.1	42.1	0.00	1.53	0.85	NO	
L0000749	0	0.58650E-07	496580.5	3606387.0	42.1	0.00	1.53	0.85	NO	
L0000750	0	0.58650E-07	496577.2	3606386.9	42.0	0.00	1.53	0.85	NO	
L0000751	0	0.58650E-07	496574.0	3606386.8	42.0	0.00	1.53	0.85	NO	
L0000752	0	0.58650E-07	496570.7	3606386.6	41.8	0.00	1.53	0.85	NO	
L0000753	0	0.58650E-07	496567.4	3606386.5	41.4	0.00	1.53	0.85	NO	
L0000754	0	0.58650E-07	496564.1	3606386.4	41.0	0.00	1.53	0.85	NO	
L0000755	0	0.58650E-07	496560.8	3606386.3	40.7	0.00	1.53	0.85	NO	
L0000756	0	0.58650E-07	496557.6	3606386.2	40.3	0.00	1.53	0.85	NO	
L0000757	0	0.58650E-07	496554.3	3606386.1	39.9	0.00	1.53	0.85	NO	
L0000758	0	0.58650E-07	496551.0	3606385.9	39.6	0.00	1.53	0.85	NO	
L0000759	0	0.58650E-07	496547.7	3606385.8	39.3	0.00	1.53	0.85	NO	
L0000760	0	0.58650E-07	496544.5	3606385.7	39.1	0.00	1.53	0.85	NO	
L0000761	0	0.58650E-07	496541.2	3606385.6	39.3	0.00	1.53	0.85	NO	
L0000762	0	0.58650E-07	496537.9	3606385.5	39.4	0.00	1.53	0.85	NO	
L0000763	0	0.34400E-07	496537.3	3606381.2	39.3	0.00	1.53	0.85	NO	
L0000764	0	0.34400E-07	496537.7	3606377.9	39.2	0.00	1.53	0.85	NO	
L0000765	0	0.34400E-07	496538.1	3606374.7	39.2	0.00	1.53	0.85	NO	
L0000766	0	0.34400E-07	496538.5	3606371.4	39.1	0.00	1.53	0.85	NO	
L0000767	0	0.34400E-07	496538.9	3606368.2	39.0	0.00	1.53	0.85	NO	
L0000768	0	0.34400E-07	496539.3	3606364.9	38.9	0.00	1.53	0.85	NO	
L0000769	0	0.34400E-07	496539.7	3606361.6	38.8	0.00	1.53	0.85	NO	
L0000770	0	0.34400E-07	496540.1	3606358.4	38.8	0.00	1.53	0.85	NO	
L0000771	0	0.34400E-07	496540.5	3606355.1	38.7	0.00	1.53	0.85	NO	
L0000772	0	0.34400E-07	496540.9	3606351.9	38.6	0.00	1.53	0.85	NO	
L0000773	0	0.34400E-07	496541.3	3606348.6	38.5	0.00	1.53	0.85	NO	
L0000774	0	0.34400E-07	496541.7	3606345.4	38.5	0.00	1.53	0.85	NO	
L0000775	0	0.34400E-07	496542.1	3606342.1	38.5	0.00	1.53	0.85	NO	
L0000776	0	0.34400E-07	496542.5	3606338.9	38.5	0.00	1.53	0.85	NO	
L0000777	0	0.34400E-07	496542.9	3606335.6	38.5	0.00	1.53	0.85	NO	
L0000778	0	0.34400E-07	496543.3	3606332.4	38.5	0.00	1.53	0.85	NO	
L0000779	0	0.34400E-07	496543.7	3606329.1	38.5	0.00	1.53	0.85	NO	
L0000780	0	0.34400E-07	496544.1	3606325.8	38.5	0.00	1.53	0.85	NO	
L0000781	0	0.34400E-07	496544.5	3606322.6	38.6	0.00	1.53	0.85	NO	
L0000782	0	0.34400E-07	496544.9	3606319.3	38.6	0.00	1.53	0.85	NO	

L0000783	0	0.34400E-07	496545.3	3606316.1	38.6	0.00	1.53	0.85	NO
L0000784	0	0.34400E-07	496545.7	3606312.8	38.7	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000785	0	0.34400E-07	496546.1	3606309.6	38.8	0.00	1.53	0.85	NO	
L0000786	0	0.34400E-07	496546.5	3606306.3	38.9	0.00	1.53	0.85	NO	
L0000787	0	0.34400E-07	496546.9	3606303.1	39.0	0.00	1.53	0.85	NO	
L0000788	0	0.34400E-07	496547.3	3606299.8	39.2	0.00	1.53	0.85	NO	
L0000789	0	0.34400E-07	496547.7	3606296.5	39.3	0.00	1.53	0.85	NO	
L0000790	0	0.34400E-07	496548.1	3606293.3	39.4	0.00	1.53	0.85	NO	
L0000791	0	0.34400E-07	496548.5	3606290.0	39.5	0.00	1.53	0.85	NO	
L0000792	0	0.34400E-07	496548.9	3606286.8	39.6	0.00	1.53	0.85	NO	
L0000793	0	0.34400E-07	496549.3	3606283.5	39.8	0.00	1.53	0.85	NO	
L0000794	0	0.34400E-07	496549.7	3606280.3	39.9	0.00	1.53	0.85	NO	
L0000795	0	0.34400E-07	496550.1	3606277.0	40.0	0.00	1.53	0.85	NO	
L0000796	0	0.34400E-07	496550.5	3606273.8	40.1	0.00	1.53	0.85	NO	
L0000797	0	0.34400E-07	496550.9	3606270.5	40.2	0.00	1.53	0.85	NO	
L0000798	0	0.34400E-07	496551.3	3606267.2	40.3	0.00	1.53	0.85	NO	
L0000799	0	0.34400E-07	496551.7	3606264.0	40.4	0.00	1.53	0.85	NO	
L0000800	0	0.34400E-07	496552.1	3606260.7	40.5	0.00	1.53	0.85	NO	
L0000801	0	0.34400E-07	496552.5	3606257.5	40.6	0.00	1.53	0.85	NO	
L0000802	0	0.34400E-07	496552.9	3606254.2	40.6	0.00	1.53	0.85	NO	
L0000803	0	0.34400E-07	496553.3	3606251.0	40.7	0.00	1.53	0.85	NO	
L0000804	0	0.34400E-07	496553.7	3606247.7	40.6	0.00	1.53	0.85	NO	
L0000805	0	0.34400E-07	496554.1	3606244.5	40.5	0.00	1.53	0.85	NO	
L0000806	0	0.34400E-07	496554.5	3606241.2	40.4	0.00	1.53	0.85	NO	
L0000807	0	0.34400E-07	496554.9	3606237.9	40.3	0.00	1.53	0.85	NO	
L0000808	0	0.34400E-07	496555.3	3606234.7	40.3	0.00	1.53	0.85	NO	
L0000809	0	0.34400E-07	496555.7	3606231.4	40.2	0.00	1.53	0.85	NO	
L0000810	0	0.34400E-07	496556.1	3606228.2	40.1	0.00	1.53	0.85	NO	
L0000811	0	0.34400E-07	496556.5	3606224.9	40.0	0.00	1.53	0.85	NO	
L0000812	0	0.34400E-07	496556.9	3606221.7	40.0	0.00	1.53	0.85	NO	
L0000813	0	0.34400E-07	496557.3	3606218.4	39.9	0.00	1.53	0.85	NO	
L0000814	0	0.34400E-07	496557.7	3606215.2	39.8	0.00	1.53	0.85	NO	
L0000815	0	0.34400E-07	496558.1	3606211.9	39.8	0.00	1.53	0.85	NO	
L0000816	0	0.34400E-07	496558.5	3606208.6	39.7	0.00	1.53	0.85	NO	
L0000817	0	0.34400E-07	496558.9	3606205.4	39.6	0.00	1.53	0.85	NO	
L0000818	0	0.34400E-07	496559.3	3606202.1	39.5	0.00	1.53	0.85	NO	
L0000819	0	0.34400E-07	496559.7	3606198.9	39.5	0.00	1.53	0.85	NO	
L0000820	0	0.34400E-07	496560.1	3606195.6	39.4	0.00	1.53	0.85	NO	
L0000821	0	0.34400E-07	496560.5	3606192.4	39.4	0.00	1.53	0.85	NO	
L0000822	0	0.34400E-07	496560.9	3606189.1	39.3	0.00	1.53	0.85	NO	

L0000823	0	0.34400E-07	496561.3	3606185.9	39.3	0.00	1.53	0.85	NO
L0000824	0	0.34400E-07	496561.7	3606182.6	39.2	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000825	0	0.34400E-07	496562.1	3606179.3	39.2	0.00	1.53	0.85	NO	
L0000826	0	0.34400E-07	496562.5	3606176.1	39.1	0.00	1.53	0.85	NO	
L0000827	0	0.34400E-07	496562.9	3606172.8	39.1	0.00	1.53	0.85	NO	
L0000828	0	0.34400E-07	496563.3	3606169.6	39.0	0.00	1.53	0.85	NO	
L0000829	0	0.34400E-07	496563.7	3606166.3	39.0	0.00	1.53	0.85	NO	
L0000830	0	0.34400E-07	496564.1	3606163.1	39.0	0.00	1.53	0.85	NO	
L0000831	0	0.34400E-07	496564.5	3606159.8	39.0	0.00	1.53	0.85	NO	
L0000832	0	0.34400E-07	496564.9	3606156.6	39.0	0.00	1.53	0.85	NO	
L0000833	0	0.34400E-07	496565.3	3606153.3	39.0	0.00	1.53	0.85	NO	
L0000834	0	0.34400E-07	496565.7	3606150.0	39.0	0.00	1.53	0.85	NO	
L0000835	0	0.34400E-07	496566.1	3606146.8	39.0	0.00	1.53	0.85	NO	
L0000836	0	0.34400E-07	496566.5	3606143.5	39.0	0.00	1.53	0.85	NO	
L0000837	0	0.34400E-07	496566.9	3606140.3	39.0	0.00	1.53	0.85	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	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 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 ,
	L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 ,
	L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
	L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
	L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
	L0000184 , L0000537 , L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 ,
	L0000544 , L0000545 , L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 ,
	L0000552 , L0000553 , L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 ,
	L0000560 , L0000561 , L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , L0000567 ,
	L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , L0000575 ,
	L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 , L0000582 , L0000583 ,
	L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 , L0000357 , L0000358 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000359 , L0000360 , L0000361 , L0000362 , L0000363 , L0000364 , L0000365 , 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 , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000519 , L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 ,
	L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 ,
	L0000535 , L0000536 , STCK1 , STCK2 , STCK3 , STCK4 , L0000643 , L0000644 ,
	L0000645 , L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 ,
	L0000653 , L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 , L0000660 ,
	L0000661 , L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 , L0000668 ,
	L0000669 , L0000670 , L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , L0000676 ,
	L0000677 , L0000678 , L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , L0000684 ,
	L0000685 , L0000686 , L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , L0000692 ,
	L0000693 , L0000694 , L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 ,
	L0000701 , L0000702 , L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 ,
	L0000709 , L0000710 , L0000711 , L0000712 , L0000713 , L0000714 , L0000715 , L0000716 ,
	L0000717 , L0000718 , L0000719 , L0000720 , L0000721 , L0000722 , L0000723 , L0000724 ,
	L0000725 , L0000726 , L0000727 , L0000728 , L0000729 , L0000730 , L0000731 , L0000732 ,
	L0000733 , L0000734 , L0000735 , L0000736 , L0000737 , L0000738 , L0000739 , L0000740 ,
	L0000741 , L0000742 , L0000743 , L0000744 , L0000745 , L0000746 , L0000747 , L0000748 ,
	L0000749 , L0000750 , L0000751 , L0000752 , L0000753 , L0000754 , L0000755 , L0000756 ,
	L0000757 , L0000758 , L0000759 , L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,
	L0000765 , L0000766 , L0000767 , L0000768 , L0000769 , L0000770 , L0000771 , L0000772 ,
	L0000773 , L0000774 , L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000781 , L0000782 , L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 ,
	L0000789 , L0000790 , L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 ,
	L0000797 , L0000798 , L0000799 , L0000800 , L0000801 , L0000802 , L0000803 , L0000804 ,
	L0000805 , L0000806 , L0000807 , L0000808 , L0000809 , L0000810 , L0000811 , L0000812 ,
	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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-61.0,	49.4,	2	12.2,	161.1,	211.6,	-75.1,	56.1,
3	12.2,	183.0,	214.4,	-86.9,	61.0,	4	12.2,	199.4,	210.7,	-96.0,	64.0,
5	12.2,	209.6,	201.1,	-102.2,	65.0,	6	12.2,	213.8,	185.4,	-105.4,	64.0,
7	12.2,	211.8,	164.2,	-105.3,	60.8,	8	12.2,	203.3,	138.5,	-102.0,	55.8,
9	12.2,	188.7,	108.5,	-95.6,	49.1,	10	12.2,	202.5,	134.6,	-116.8,	40.2,
11	12.2,	211.6,	161.1,	-136.7,	30.7,	12	12.2,	214.4,	183.0,	-152.5,	20.3,
13	12.2,	210.7,	199.4,	-163.6,	9.3,	14	12.2,	201.1,	209.6,	-169.8,	-1.7,
15	12.2,	185.4,	213.8,	-170.9,	-12.7,	16	12.2,	164.2,	211.8,	-166.7,	-23.2,
17	12.2,	138.5,	203.3,	-157.5,	-32.8,	18	12.2,	108.5,	188.7,	-143.4,	-41.4,
19	12.2,	134.6,	202.5,	-141.4,	-49.4,	20	12.2,	161.1,	211.6,	-136.5,	-56.1,
21	12.2,	183.0,	214.4,	-127.5,	-61.0,	22	12.2,	199.4,	210.7,	-114.7,	-64.0,
23	12.2,	209.6,	201.1,	-98.8,	-65.0,	24	12.2,	213.8,	185.4,	-80.0,	-64.0,
25	12.2,	211.8,	164.2,	-59.0,	-60.8,	26	12.2,	203.3,	138.5,	-36.5,	-55.8,
27	12.2,	188.7,	108.5,	-12.8,	-49.1,	28	12.2,	202.5,	134.6,	-17.9,	-40.2,
29	12.2,	211.6,	161.1,	-24.4,	-30.7,	30	12.2,	214.4,	183.0,	-30.5,	-20.3,
31	12.2,	210.7,	199.4,	-35.7,	-9.3,	32	12.2,	201.1,	209.6,	-39.8,	1.7,
33	12.2,	185.4,	213.8,	-42.9,	12.7,	34	12.2,	164.2,	211.8,	-45.1,	23.2,
35	12.2,	138.5,	203.3,	-45.9,	32.8,	36	12.2,	108.5,	188.7,	-45.3,	41.4,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-91.8,	43.1,	2	12.2,	161.1,	211.6,	-104.2,	44.6,
3	12.2,	183.0,	214.4,	-113.6,	44.5,	4	12.2,	199.4,	210.7,	-119.5,	43.1,
5	12.2,	209.6,	201.1,	-121.7,	40.4,	6	12.2,	213.8,	185.4,	-120.3,	36.4,
7	12.2,	211.8,	164.2,	-115.2,	31.0,	8	12.2,	203.3,	138.5,	-106.6,	24.8,
9	12.2,	188.7,	108.5,	-94.7,	17.7,	10	12.2,	202.5,	134.6,	-110.4,	9.5,
11	12.2,	211.6,	161.1,	-125.1,	1.6,	12	12.2,	214.4,	183.0,	-136.0,	-6.4,
13	12.2,	210.7,	199.4,	-142.8,	-14.1,	14	12.2,	201.1,	209.6,	-145.2,	-21.2,
15	12.2,	185.4,	213.8,	-143.2,	-27.6,	16	12.2,	164.2,	211.8,	-136.9,	-33.0,
17	12.2,	138.5,	203.3,	-126.4,	-37.3,	18	12.2,	108.5,	188.7,	-112.1,	-40.5,
19	12.2,	134.6,	202.5,	-110.7,	-43.1,	20	12.2,	161.1,	211.6,	-107.4,	-44.6,
21	12.2,	183.0,	214.4,	-100.8,	-44.5,	22	12.2,	199.4,	210.7,	-91.2,	-43.1,
23	12.2,	209.6,	201.1,	-79.4,	-40.4,	24	12.2,	213.8,	185.4,	-65.1,	-36.4,
25	12.2,	211.8,	164.2,	-49.1,	-31.0,	26	12.2,	203.3,	138.5,	-31.9,	-24.8,
27	12.2,	188.7,	108.5,	-13.7,	-17.7,	28	12.2,	202.5,	134.6,	-24.2,	-9.5,
29	12.2,	211.6,	161.1,	-36.0,	-1.6,	30	12.2,	214.4,	183.0,	-47.0,	6.4,
31	12.2,	210.7,	199.4,	-56.5,	14.1,	32	12.2,	201.1,	209.6,	-64.4,	21.2,
33	12.2,	185.4,	213.8,	-70.5,	27.6,	34	12.2,	164.2,	211.8,	-74.8,	33.0,
35	12.2,	138.5,	203.3,	-76.9,	37.3,	36	12.2,	108.5,	188.7,	-76.6,	40.5,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-122.3,	38.4,	2	12.2,	161.1,	211.6,	-133.5,	34.6,
3	12.2,	183.0,	214.4,	-140.7,	29.7,	4	12.2,	199.4,	210.7,	-143.6,	23.8,
5	12.2,	209.6,	201.1,	-142.1,	17.2,	6	12.2,	213.8,	185.4,	-136.3,	9.9,
7	12.2,	211.8,	164.2,	-126.4,	2.2,	8	12.2,	203.3,	138.5,	-112.6,	-5.6,
9	12.2,	188.7,	108.5,	-95.4,	-13.2,	10	12.2,	202.5,	134.6,	-105.7,	-21.1,
11	12.2,	211.6,	161.1,	-115.2,	-27.7,	12	12.2,	214.4,	183.0,	-121.2,	-33.5,
13	12.2,	210.7,	199.4,	-123.5,	-38.2,	14	12.2,	201.1,	209.6,	-122.0,	-41.6,
15	12.2,	185.4,	213.8,	-116.8,	-43.6,	16	12.2,	164.2,	211.8,	-108.1,	-44.2,
17	12.2,	138.5,	203.3,	-96.1,	-43.4,	18	12.2,	108.5,	188.7,	-81.2,	-41.2,
19	12.2,	134.6,	202.5,	-80.2,	-38.4,	20	12.2,	161.1,	211.6,	-78.1,	-34.6,
21	12.2,	183.0,	214.4,	-73.7,	-29.7,	22	12.2,	199.4,	210.7,	-67.1,	-23.8,
23	12.2,	209.6,	201.1,	-59.0,	-17.2,	24	12.2,	213.8,	185.4,	-49.1,	-9.9,
25	12.2,	211.8,	164.2,	-37.9,	-2.2,	26	12.2,	203.3,	138.5,	-25.9,	5.6,
27	12.2,	188.7,	108.5,	-13.1,	13.2,	28	12.2,	202.5,	134.6,	-28.9,	21.1,
29	12.2,	211.6,	161.1,	-45.9,	27.7,	30	12.2,	214.4,	183.0,	-61.9,	33.5,
31	12.2,	210.7,	199.4,	-75.9,	38.2,	32	12.2,	201.1,	209.6,	-87.6,	41.6,
33	12.2,	185.4,	213.8,	-96.9,	43.6,	34	12.2,	164.2,	211.8,	-103.7,	44.2,
35	12.2,	138.5,	203.3,	-107.2,	43.4,	36	12.2,	108.5,	188.7,	-107.6,	41.2,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-161.6,	31.7,	2	12.2,	161.1,	211.6,	-171.0,	21.2,
3	12.2,	183.0,	214.4,	-175.3,	9.9,	4	12.2,	199.4,	210.7,	-174.2,	-1.7,
5	12.2,	209.6,	201.1,	-167.9,	-13.2,	6	12.2,	213.8,	185.4,	-156.4,	-24.4,
7	12.2,	211.8,	164.2,	-140.2,	-35.1,	8	12.2,	203.3,	138.5,	-119.7,	-44.8,
9	12.2,	188.7,	108.5,	-95.6,	-53.0,	10	12.2,	202.5,	134.6,	-99.0,	-60.3,
11	12.2,	211.6,	161.1,	-101.8,	-65.2,	12	12.2,	214.4,	183.0,	-101.5,	-68.1,
13	12.2,	210.7,	199.4,	-98.0,	-68.9,	14	12.2,	201.1,	209.6,	-91.6,	-67.3,
15	12.2,	185.4,	213.8,	-82.5,	-63.7,	16	12.2,	164.2,	211.8,	-70.8,	-58.1,
17	12.2,	138.5,	203.3,	-56.9,	-50.5,	18	12.2,	108.5,	188.7,	-41.3,	-41.4,
19	12.2,	134.6,	202.5,	-40.9,	-31.7,	20	12.2,	161.1,	211.6,	-40.6,	-21.2,
21	12.2,	183.0,	214.4,	-39.1,	-9.9,	22	12.2,	199.4,	210.7,	-36.5,	1.7,
23	12.2,	209.6,	201.1,	-33.2,	13.2,	24	12.2,	213.8,	185.4,	-29.0,	24.4,
25	12.2,	211.8,	164.2,	-24.1,	35.1,	26	12.2,	203.3,	138.5,	-18.7,	44.8,
27	12.2,	188.7,	108.5,	-12.8,	53.0,	28	12.2,	202.5,	134.6,	-35.6,	60.3,
29	12.2,	211.6,	161.1,	-59.3,	65.2,	30	12.2,	214.4,	183.0,	-81.6,	68.1,
31	12.2,	210.7,	199.4,	-101.3,	68.9,	32	12.2,	201.1,	209.6,	-118.0,	67.3,
33	12.2,	185.4,	213.8,	-131.3,	63.7,	34	12.2,	164.2,	211.8,	-141.0,	58.1,
35	12.2,	138.5,	203.3,	-146.4,	50.5,	36	12.2,	108.5,	188.7,	-147.4,	41.4,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

496437.3, 496496.9, 496556.5, 496616.1, 496675.8, 496735.3, 496794.9, 496854.5, 496914.1, 496973.8,
497033.3, 497092.9, 497152.5, 497212.1, 497271.8, 497331.3, 497390.9, 497450.5, 497510.1, 497569.8,
497629.3,

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

3606072.0, 3606131.2, 3606190.3, 3606249.4, 3606308.6, 3606367.7, 3606426.8, 3606486.0, 3606545.1, 3606604.2,
3606663.3, 3606722.5, 3606781.6, 3606840.7, 3606899.9, 3606959.0, 3607018.1, 3607077.2, 3607136.4, 3607195.5,
3607254.6,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	68.00	67.00	61.50	61.40	54.30	57.70	59.70
3607195.51	72.10	68.40	66.60	66.10	59.60	54.00	56.50	57.80	58.60
3607136.38	72.40	66.00	65.40	64.20	56.60	53.00	55.70	59.00	59.60
3607077.25	72.60	62.20	62.60	62.90	48.40	54.40	58.20	59.70	61.50
3607018.12	59.50	56.80	59.50	61.20	53.60	53.70	60.30	63.90	68.00
3606958.99	54.40	52.60	57.00	60.00	54.80	55.60	62.40	65.10	68.60
3606899.86	46.70	50.20	55.80	58.70	58.30	58.20	65.70	68.50	72.40
3606840.73	48.90	49.90	55.10	57.20	63.80	62.90	63.90	68.30	69.20
3606781.60	48.20	52.80	54.50	56.50	64.70	66.80	63.70	64.40	65.60
3606722.47	50.90	52.50	55.10	54.30	66.20	66.80	65.00	61.30	60.70
3606663.34	54.50	57.10	55.00	52.60	64.70	64.00	66.30	60.80	57.90
3606604.21	56.30	58.80	51.40	50.40	60.50	59.70	61.60	62.50	54.60
3606545.08	58.30	59.00	47.30	48.80	56.10	53.90	57.80	58.20	50.60
3606485.95	54.50	56.20	44.40	47.20	51.00	49.40	48.20	47.40	45.60
3606426.82	53.30	50.30	42.30	45.70	43.20	46.40	45.10	43.70	42.60
3606367.69	39.50	38.70	39.70	40.40	39.00	40.20	40.50	40.70	39.80
3606308.56	38.20	37.00	41.00	42.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	41.00	41.70	35.70	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	38.50	41.10	35.00	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	36.10	40.10	34.10	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	34.50	38.40	33.70	33.70	34.00	29.30	27.80

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	65.20	67.50	72.50	76.70	80.10	84.70	85.30	99.00	100.10
3607195.51	61.30	65.70	70.70	74.40	76.60	80.60	82.80	86.80	87.50
3607136.38	64.40	75.90	80.00	78.20	76.90	74.10	80.90	83.60	88.20
3607077.25	75.10	80.20	80.90	77.80	75.10	72.10	77.80	84.60	97.10
3607018.12	79.90	81.00	81.80	78.40	76.80	70.30	75.70	94.70	98.20
3606958.99	76.20	81.00	80.90	79.10	75.70	67.00	75.50	92.50	92.30
3606899.86	73.00	77.50	77.90	77.80	73.20	62.70	72.30	79.40	77.70
3606840.73	69.10	77.40	77.70	68.70	65.10	60.30	65.00	68.30	81.60
3606781.60	64.40	73.30	74.10	63.10	56.30	57.70	62.30	72.50	76.20
3606722.47	63.30	63.80	64.10	57.30	53.90	56.10	57.00	56.70	65.30
3606663.34	61.00	62.50	59.10	54.30	53.20	55.10	56.90	56.60	61.90
3606604.21	54.40	55.20	50.40	53.50	52.20	50.00	51.30	50.80	49.30
3606545.08	48.60	44.70	45.10	46.60	47.00	48.50	49.40	49.10	44.30
3606485.95	44.90	41.60	42.90	44.40	44.30	45.00	44.00	42.80	43.20
3606426.82	42.50	41.80	42.60	44.00	43.50	43.10	43.20	41.80	42.00
3606367.69	39.60	39.90	40.40	41.10	41.40	41.60	41.20	41.00	40.40
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	35.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	31.30	30.00	30.00
3606131.17	34.40	33.10	29.00	28.40	27.90	29.60	28.70	29.70	29.50
3606072.04	27.10	26.40	26.60	27.20	27.70	27.50	28.10	28.60	28.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	102.70	107.40	104.40
3607195.51	92.20	95.00	98.50
3607136.38	95.90	97.40	100.30
3607077.25	100.10	101.10	103.90
3607018.12	98.70	102.50	103.70
3606958.99	90.30	101.40	103.10
3606899.86	79.10	92.10	93.50
3606840.73	90.10	90.90	90.20
3606781.60	74.50	72.40	71.20
3606722.47	66.70	62.80	62.50
3606663.34	65.40	56.40	57.40
3606604.21	51.20	53.90	58.40
3606545.08	44.40	45.00	46.00
3606485.95	43.10	43.10	43.30
3606426.82	42.50	42.40	42.90
3606367.69	40.60	40.90	41.30
3606308.56	39.70	39.90	40.60
3606249.43	40.20	40.00	39.90
3606190.30	29.90	29.60	29.80
3606131.17	29.10	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	76.50	67.00	76.00	76.00	80.50	80.50	130.10
3607195.51	72.10	68.40	66.60	66.10	66.50	76.00	81.70	81.70	81.90
3607136.38	72.40	72.70	65.40	64.20	66.50	81.70	81.90	81.90	82.20
3607077.25	72.60	72.90	62.60	62.90	81.90	81.90	81.90	81.90	82.20
3607018.12	73.00	72.90	72.90	61.20	63.00	81.90	81.90	81.90	81.90
3606958.99	73.00	72.90	72.00	60.00	58.90	81.90	72.40	81.90	81.90
3606899.86	73.00	72.90	59.20	58.70	58.30	71.70	65.70	72.10	72.40
3606840.73	72.90	72.90	64.80	65.20	64.50	62.90	63.90	68.30	73.20
3606781.60	48.20	52.80	66.20	66.70	64.70	66.80	67.90	64.40	77.50
3606722.47	50.90	59.00	66.20	67.40	66.20	66.80	66.70	61.30	78.30
3606663.34	56.30	58.80	66.20	67.50	64.70	64.00	66.30	66.50	78.00
3606604.21	56.30	58.80	66.20	66.50	62.30	65.70	65.50	62.50	66.50
3606545.08	58.30	59.00	66.10	66.20	57.70	66.10	62.00	62.50	66.50
3606485.95	54.50	59.20	59.30	62.30	52.50	65.70	66.50	66.50	66.50
3606426.82	53.30	59.20	59.30	45.70	65.70	46.40	65.70	65.70	62.50
3606367.69	59.30	59.30	59.30	59.20	65.70	65.70	62.50	62.50	62.50
3606308.56	59.20	59.30	45.20	44.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	43.00	41.70	41.00	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	42.30	41.10	40.80	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	40.80	40.10	40.50	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	39.70	38.40	33.70	33.70	34.00	33.50	33.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	129.60	130.80	130.80	130.80	130.90	130.90	130.90	129.00	129.00
3607195.51	130.10	130.10	130.10	130.80	130.90	130.90	130.90	130.90	139.00
3607136.38	82.20	80.80	80.00	78.20	129.60	130.90	130.80	130.80	129.00
3607077.25	81.70	80.20	80.90	81.10	129.00	130.80	129.60	129.00	98.10
3607018.12	81.70	81.00	81.80	78.40	98.60	129.60	129.00	98.60	98.20
3606958.99	81.90	81.00	80.90	79.10	98.60	129.00	103.80	98.60	99.00
3606899.86	81.60	81.60	77.90	77.80	98.60	129.00	104.30	102.70	125.50
3606840.73	81.60	77.40	78.20	98.50	99.20	127.90	125.50	125.50	104.30
3606781.60	81.60	78.30	78.50	98.60	104.30	125.50	125.50	104.30	104.30
3606722.47	78.50	78.50	78.50	98.70	104.30	125.50	125.50	125.50	125.50
3606663.34	78.30	78.50	78.50	98.60	102.30	104.30	125.50	125.50	125.50
3606604.21	78.50	78.50	78.50	78.50	98.70	125.50	125.50	125.50	128.20
3606545.08	78.50	78.50	78.50	98.50	101.60	104.30	125.50	125.50	128.30
3606485.95	78.00	78.50	78.50	78.50	98.50	101.60	125.50	125.50	125.50
3606426.82	62.50	41.80	42.60	44.00	43.50	43.10	101.60	125.50	125.50
3606367.69	62.50	39.90	40.40	41.10	41.40	41.60	41.20	112.20	125.50
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	40.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	38.10	38.50	40.30
3606131.17	34.40	33.10	37.70	37.80	37.90	37.90	37.90	29.70	29.50
3606072.04	46.60	46.60	46.60	46.20	45.90	45.90	45.30	45.20	28.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	129.00	128.70	139.00
3607195.51	139.00	139.00	139.00
3607136.38	128.70	128.00	139.00
3607077.25	100.10	103.70	107.80
3607018.12	98.70	102.50	103.70
3606958.99	104.30	101.40	103.10
3606899.86	125.50	104.30	125.50
3606840.73	90.60	90.90	125.50
3606781.60	125.50	125.90	128.30
3606722.47	125.50	128.30	139.00
3606663.34	125.50	132.20	136.70
3606604.21	128.30	128.30	128.30
3606545.08	128.30	132.20	136.70
3606485.95	128.30	128.30	128.30
3606426.82	126.40	128.30	128.30
3606367.69	125.50	126.40	128.20
3606308.56	125.50	125.50	125.50
3606249.43	40.20	40.00	39.90
3606190.30	125.50	125.50	125.50
3606131.17	39.40	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(497063.6,	3606807.8,	78.2,	78.2,	0.0);	(496962.2,	3606775.4,	63.0,	81.6,	0.0);
(496960.6,	3606692.3,	61.2,	78.3,	0.0);	(496963.9,	3606567.3,	51.9,	78.3,	0.0);
(496956.1,	3606409.6,	41.7,	62.5,	0.0);	(496869.7,	3606414.9,	43.6,	62.5,	0.0);
(496768.2,	3606419.4,	45.8,	62.5,	0.0);	(496687.5,	3606578.0,	58.4,	58.4,	0.0);
(497159.2,	3606873.8,	77.5,	77.5,	0.0);	(496517.0,	3606174.8,	34.5,	42.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000803	496556.5	3606249.4	0.28
L0000804	496556.5	3606249.4	0.02

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

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 RURAL

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

Surface file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC Met Version: 14134
Profile file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3178 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-3.2	0.067	-9.000	-9.000	-999.	41.	8.2	0.05	1.05	1.00	1.76	191.	10.0	281.4	2.0
09	01	01	1	02	-3.3	0.068	-9.000	-9.000	-999.	42.	8.4	0.06	1.05	1.00	1.76	168.	10.0	282.5	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	280.9	2.0
09	01	01	1	04	-3.3	0.068	-9.000	-9.000	-999.	42.	8.3	0.06	1.05	1.00	1.76	133.	10.0	279.9	2.0
09	01	01	1	05	-15.4	0.274	-9.000	-9.000	-999.	345.	119.1	0.06	1.05	1.00	3.86	143.	10.0	279.2	2.0
09	01	01	1	06	-12.3	0.110	-9.000	-9.000	-999.	113.	9.6	0.06	1.05	1.00	2.86	122.	10.0	279.2	2.0
09	01	01	1	07	-4.6	0.068	-9.000	-9.000	-999.	43.	5.9	0.06	1.05	1.00	1.76	135.	10.0	280.9	2.0
09	01	01	1	08	-3.3	0.063	-9.000	-9.000	-999.	38.	6.7	0.04	1.05	0.49	1.76	103.	10.0	282.0	2.0
09	01	01	1	09	35.2	-9.000	-9.000	-9.000	68.	-999.	-99999.0	0.06	1.05	0.29	0.00	0.	10.0	285.4	2.0
09	01	01	1	10	85.4	-9.000	-9.000	-9.000	144.	-999.	-99999.0	0.06	1.05	0.23	0.00	0.	10.0	287.5	2.0
09	01	01	1	11	119.2	-9.000	-9.000	-9.000	225.	-999.	-99999.0	0.06	1.05	0.21	0.00	0.	10.0	288.1	2.0
09	01	01	1	12	135.4	0.193	1.071	0.009	323.	204.	-4.8	0.06	1.05	0.20	1.76	999.	10.0	289.2	2.0
09	01	01	1	13	133.4	-9.000	-9.000	-9.000	428.	-999.	-99999.0	0.06	1.05	0.20	0.00	0.	10.0	290.9	2.0
09	01	01	1	14	111.9	0.350	1.173	0.007	513.	496.	-33.9	0.12	1.05	0.21	3.36	289.	10.0	289.9	2.0
09	01	01	1	15	72.9	0.340	1.069	0.007	595.	476.	-47.8	0.12	1.05	0.24	3.36	272.	10.0	288.8	2.0
09	01	01	1	16	19.2	0.362	0.691	0.007	609.	522.	-219.2	0.12	1.05	0.33	3.86	264.	10.0	286.4	2.0
09	01	01	1	17	-16.0	0.278	-9.000	-9.000	-999.	355.	118.8	0.12	1.05	0.60	3.36	251.	10.0	284.2	2.0
09	01	01	1	18	-12.6	0.228	-9.000	-9.000	-999.	262.	83.7	0.12	1.05	1.00	2.86	287.	10.0	284.2	2.0
09	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.8	2.0
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.1	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	191.	1.76	281.5	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	0.00040	0.00043	0.00046	0.00046	0.00045	0.00041	0.00038	0.00033	0.00028
3607195.51	0.00043	0.00047	0.00050	0.00052	0.00054	0.00051	0.00046	0.00040	0.00034
3607136.38	0.00043	0.00051	0.00055	0.00059	0.00064	0.00063	0.00057	0.00049	0.00042
3607077.25	0.00043	0.00054	0.00059	0.00064	0.00072	0.00075	0.00072	0.00064	0.00054
3607018.12	0.00050	0.00056	0.00062	0.00069	0.00079	0.00087	0.00089	0.00084	0.00070
3606958.99	0.00052	0.00058	0.00063	0.00070	0.00083	0.00096	0.00105	0.00111	0.00101
3606899.86	0.00054	0.00059	0.00063	0.00069	0.00083	0.00101	0.00115	0.00133	0.00137
3606840.73	0.00056	0.00060	0.00063	0.00069	0.00075	0.00095	0.00122	0.00150	0.00189
3606781.60	0.00058	0.00061	0.00065	0.00068	0.00071	0.00085	0.00117	0.00160	0.00232
3606722.47	0.00060	0.00066	0.00073	0.00077	0.00069	0.00082	0.00109	0.00160	0.00274
3606663.34	0.00058	0.00064	0.00086	0.00149	0.00080	0.00090	0.00105	0.00152	0.00249
3606604.21	0.00058	0.00063	0.00100	0.00177	0.00108	0.00106	0.00113	0.00133	0.00193
3606545.08	0.00057	0.00064	0.00115	0.00156	0.00117	0.00118	0.00110	0.00117	0.00148
3606485.95	0.00064	0.00069	0.00133	0.00151	0.00139	0.00134	0.00137	0.00138	0.00143
3606426.82	0.00062	0.00090	0.00197	0.00183	0.00295	0.00210	0.00229	0.00235	0.00231
3606367.69	0.00099	0.00176	0.00296	0.00257	0.00245	0.00269	0.00277	0.00291	0.00295
3606308.56	0.00089	0.00120	0.00218	0.00109	0.00089	0.00093	0.00090	0.00089	0.00087
3606249.43	0.00066	0.00091	0.00204	0.00087	0.00059	0.00053	0.00050	0.00048	0.00046
3606190.30	0.00045	0.00062	0.00304	0.00074	0.00045	0.00038	0.00034	0.00031	0.00029
3606131.17	0.00032	0.00036	0.00042	0.00047	0.00031	0.00027	0.00024	0.00022	0.00020
3606072.04	0.00022	0.00020	0.00018	0.00019	0.00018	0.00017	0.00016	0.00014	0.00014

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	0.00024	0.00021	0.00018	0.00017	0.00016	0.00016	0.00016	0.00012	0.00011
3607195.51	0.00029	0.00024	0.00022	0.00020	0.00020	0.00019	0.00018	0.00016	0.00014
3607136.38	0.00034	0.00025	0.00022	0.00022	0.00023	0.00024	0.00020	0.00018	0.00016
3607077.25	0.00038	0.00029	0.00026	0.00027	0.00028	0.00029	0.00024	0.00020	0.00016
3607018.12	0.00047	0.00037	0.00033	0.00033	0.00034	0.00034	0.00028	0.00020	0.00017
3606958.99	0.00074	0.00052	0.00043	0.00043	0.00043	0.00043	0.00033	0.00024	0.00022
3606899.86	0.00126	0.00087	0.00064	0.00059	0.00058	0.00056	0.00042	0.00035	0.00033
3606840.73	0.00223	0.00181	0.00108	0.00108	0.00089	0.00076	0.00065	0.00058	0.00047
3606781.60	0.00346	0.00224	0.00330	0.00272	0.00164	0.00133	0.00113	0.00092	0.00078
3606722.47	0.00378	0.00616	0.01045	0.00752	0.00372	0.00264	0.00203	0.00161	0.00131
3606663.34	0.00343	0.00682	0.01194	0.00802	0.00518	0.00374	0.00284	0.00220	0.00176
3606604.21	0.00233	0.00299	0.00832	0.00830	0.00527	0.00384	0.00291	0.00230	0.00185
3606545.08	0.00179	0.00170	0.00203	0.00393	0.00541	0.00503	0.00264	0.00203	0.00163
3606485.95	0.00139	0.00138	0.00133	0.00155	0.00265	0.00340	0.00182	0.00146	0.00128
3606426.82	0.00223	0.00225	0.00218	0.00212	0.00267	0.00311	0.00148	0.00116	0.00101
3606367.69	0.00302	0.00313	0.00316	0.00320	0.00300	0.00213	0.00133	0.00102	0.00086
3606308.56	0.00086	0.00085	0.00078	0.00071	0.00068	0.00068	0.00068	0.00068	0.00065
3606249.43	0.00044	0.00041	0.00039	0.00037	0.00037	0.00038	0.00041	0.00043	0.00043
3606190.30	0.00027	0.00025	0.00024	0.00024	0.00024	0.00026	0.00025	0.00027	0.00029
3606131.17	0.00019	0.00017	0.00016	0.00015	0.00016	0.00017	0.00018	0.00019	0.00021
3606072.04	0.00013	0.00012	0.00012	0.00012	0.00012	0.00013	0.00014	0.00015	0.00016

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	0.00010	0.00009	0.00009
3607195.51	0.00013	0.00011	0.00010
3607136.38	0.00013	0.00012	0.00010
3607077.25	0.00014	0.00012	0.00011
3607018.12	0.00016	0.00014	0.00013
3606958.99	0.00021	0.00018	0.00017
3606899.86	0.00031	0.00026	0.00025
3606840.73	0.00040	0.00037	0.00034
3606781.60	0.00069	0.00063	0.00056
3606722.47	0.00108	0.00093	0.00081
3606663.34	0.00142	0.00121	0.00103
3606604.21	0.00155	0.00133	0.00114
3606545.08	0.00139	0.00121	0.00107
3606485.95	0.00114	0.00102	0.00092
3606426.82	0.00090	0.00083	0.00076
3606367.69	0.00076	0.00068	0.00063
3606308.56	0.00061	0.00056	0.00052
3606249.43	0.00045	0.00044	0.00042
3606190.30	0.00030	0.00030	0.00030
3606131.17	0.00022	0.00024	0.00024
3606072.04	0.00017	0.00018	0.00019

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497063.62	3606807.82	0.00185	496962.22	3606775.42	0.00351
496960.57	3606692.34	0.00346	496963.87	3606567.33	0.00198
496956.09	3606409.58	0.00342	496869.73	3606414.95	0.00287
496768.16	3606419.43	0.00245	496687.45	3606578.01	0.00110
497159.16	3606873.81	0.00069	496516.98	3606174.85	0.00067

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01194 AT	(497092.95, 3606663.34, 59.10, 78.50, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.01045 AT	(497092.95, 3606722.47, 64.10, 78.50, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00832 AT	(497092.95, 3606604.21, 50.40, 78.50, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00830 AT	(497152.55, 3606604.21, 53.50, 78.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00802 AT	(497152.55, 3606663.34, 54.30, 98.60, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00752 AT	(497152.55, 3606722.47, 57.30, 98.70, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00682 AT	(497033.35, 3606663.34, 62.50, 78.50, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00616 AT	(497033.35, 3606722.47, 63.80, 78.50, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00541 AT	(497212.15, 3606545.08, 47.00, 101.60, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00527 AT	(497212.15, 3606604.21, 52.20, 98.70, 0.00)	GC	UCART1

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

A Total of   0 Fatal Error Message(s)
A Total of   6 Warning Message(s)
A Total of   16961 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13845 Calm Hours Identified

A Total of   3116 Missing Hours Identified (7.10 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   1041   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1042   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1043   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1044   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
MX W430   33748   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110704
MX W430   33749   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110705

   ****
   *** AERMOD Finishes Successfully ***
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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 8/5/2021
** File: C:\Lakes\AERMOD View\Shinohara HRA - 2 year\Shinohara HRA - 2 year.ADI
**
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**
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**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Shinohara HRA - 2 year\Shinohara HRA - 2 year.i
   TITLETWO Shinohara DPM Concentrations - 2 year
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "Shinohara HRA - 2 year.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site - Project Driveway to Loading Area
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 3.12E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 5
** 497125.107, 3606563.656, 46.25, 0.00, 1.53
** 497116.635, 3606572.599, 46.24, 0.00, 1.53
** 497111.457, 3606587.191, 48.45, 0.00, 1.53
** 497113.340, 3606656.851, 53.51, 0.00, 1.53
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** 497113.261, 3606777.752, 72.42, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0000838     VOLUME   497123.979 3606564.847 46.90
   LOCATION L0000839     VOLUME   497121.724 3606567.228 46.81
   LOCATION L0000840     VOLUME   497119.468 3606569.609 46.72
   LOCATION L0000841     VOLUME   497117.212 3606571.990 46.93
   LOCATION L0000842     VOLUME   497115.819 3606574.900 47.17
   LOCATION L0000843     VOLUME   497114.722 3606577.991 47.42
   LOCATION L0000844     VOLUME   497113.625 3606581.082 47.66
   LOCATION L0000845     VOLUME   497112.528 3606584.173 47.91
   LOCATION L0000846     VOLUME   497111.460 3606587.269 48.15
   LOCATION L0000847     VOLUME   497111.548 3606590.548 48.39
   LOCATION L0000848     VOLUME   497111.637 3606593.827 48.67
   LOCATION L0000849     VOLUME   497111.725 3606597.105 48.95
   LOCATION L0000850     VOLUME   497111.814 3606600.384 49.24
   LOCATION L0000851     VOLUME   497111.903 3606603.663 49.52
   LOCATION L0000852     VOLUME   497111.991 3606606.942 49.80
   LOCATION L0000853     VOLUME   497112.080 3606610.221 50.08
   LOCATION L0000854     VOLUME   497112.169 3606613.499 50.36
   LOCATION L0000855     VOLUME   497112.257 3606616.778 50.64
   LOCATION L0000856     VOLUME   497112.346 3606620.057 50.91
   LOCATION L0000857     VOLUME   497112.434 3606623.336 51.21
   LOCATION L0000858     VOLUME   497112.523 3606626.615 51.52
   LOCATION L0000859     VOLUME   497112.612 3606629.894 51.83
   LOCATION L0000860     VOLUME   497112.700 3606633.172 52.14
   LOCATION L0000861     VOLUME   497112.789 3606636.451 52.44
   LOCATION L0000862     VOLUME   497112.877 3606639.730 52.74
   LOCATION L0000863     VOLUME   497112.966 3606643.009 53.04
   LOCATION L0000864     VOLUME   497113.055 3606646.288 53.34
   LOCATION L0000865     VOLUME   497113.143 3606649.566 53.64
   LOCATION L0000866     VOLUME   497113.232 3606652.845 53.95
   LOCATION L0000867     VOLUME   497113.321 3606656.124 54.34
   LOCATION L0000868     VOLUME   497113.339 3606659.404 54.74
   LOCATION L0000869     VOLUME   497113.336 3606662.684 55.15
   LOCATION L0000870     VOLUME   497113.334 3606665.964 55.55
   LOCATION L0000871     VOLUME   497113.332 3606669.244 55.96
   LOCATION L0000872     VOLUME   497113.330 3606672.524 56.36
   LOCATION L0000873     VOLUME   497113.328 3606675.804 56.77
   LOCATION L0000874     VOLUME   497113.326 3606679.084 57.17
   LOCATION L0000875     VOLUME   497113.324 3606682.364 57.58
   LOCATION L0000876     VOLUME   497113.321 3606685.644 57.97
   LOCATION L0000877     VOLUME   497113.319 3606688.924 58.35
   LOCATION L0000878     VOLUME   497113.317 3606692.204 58.74
   LOCATION L0000879     VOLUME   497113.315 3606695.484 59.13
   LOCATION L0000880     VOLUME   497113.313 3606698.764 59.51
   LOCATION L0000881     VOLUME   497113.311 3606702.044 59.90
   LOCATION L0000882     VOLUME   497113.309 3606705.324 60.28
   LOCATION L0000883     VOLUME   497113.306 3606708.604 60.67
   LOCATION L0000884     VOLUME   497113.304 3606711.884 61.06
   LOCATION L0000885     VOLUME   497113.302 3606715.164 61.46
   LOCATION L0000886     VOLUME   497113.300 3606718.444 61.88
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   LOCATION L0000887     VOLUME   497113.298 3606721.724 62.30
   LOCATION L0000888     VOLUME   497113.296 3606725.004 62.72
   LOCATION L0000889     VOLUME   497113.294 3606728.284 63.14
   LOCATION L0000890     VOLUME   497113.291 3606731.564 63.56
   LOCATION L0000891     VOLUME   497113.289 3606734.844 63.98
   LOCATION L0000892     VOLUME   497113.287 3606738.124 64.40
   LOCATION L0000893     VOLUME   497113.285 3606741.404 64.82
   LOCATION L0000894     VOLUME   497113.283 3606744.684 65.25
   LOCATION L0000895     VOLUME   497113.281 3606747.964 66.04
   LOCATION L0000896     VOLUME   497113.279 3606751.244 66.83
   LOCATION L0000897     VOLUME   497113.276 3606754.524 67.63
   LOCATION L0000898     VOLUME   497113.274 3606757.804 68.42
   LOCATION L0000899     VOLUME   497113.272 3606761.084 69.21
   LOCATION L0000900     VOLUME   497113.270 3606764.364 70.01
   LOCATION L0000901     VOLUME   497113.268 3606767.644 70.80
   LOCATION L0000902     VOLUME   497113.266 3606770.924 71.59
   LOCATION L0000903     VOLUME   497113.264 3606774.204 72.39
   LOCATION L0000904     VOLUME   497113.261 3606777.484 72.87
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Shinohara Lane from Project Driveway to Brandywine Ave
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.2E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 3
** 497126.126, 3606562.573, 46.29, 0.00, 1.53
** 497128.006, 3606560.276, 46.47, 0.00, 1.53
** 497249.204, 3606559.551, 48.32, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0000905     VOLUME   497127.165 3606561.304 46.94
   LOCATION L0000906     VOLUME   497129.958 3606560.264 47.13
   LOCATION L0000907     VOLUME   497133.238 3606560.244 47.48
   LOCATION L0000908     VOLUME   497136.517 3606560.225 47.83
   LOCATION L0000909     VOLUME   497139.797 3606560.205 48.18
   LOCATION L0000910     VOLUME   497143.077 3606560.186 48.53
   LOCATION L0000911     VOLUME   497146.357 3606560.166 48.79
   LOCATION L0000912     VOLUME   497149.637 3606560.146 48.69
   LOCATION L0000913     VOLUME   497152.917 3606560.127 48.58
   LOCATION L0000914     VOLUME   497156.197 3606560.107 48.47
   LOCATION L0000915     VOLUME   497159.477 3606560.087 48.36
   LOCATION L0000916     VOLUME   497162.757 3606560.068 48.26
   LOCATION L0000917     VOLUME   497166.037 3606560.048 48.15
   LOCATION L0000918     VOLUME   497169.317 3606560.029 48.04
   LOCATION L0000919     VOLUME   497172.597 3606560.009 47.97
   LOCATION L0000920     VOLUME   497175.877 3606559.989 48.02
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   LOCATION L0000921     VOLUME   497179.157 3606559.970 48.07
   LOCATION L0000922     VOLUME   497182.437 3606559.950 48.11
   LOCATION L0000923     VOLUME   497185.717 3606559.931 48.16
   LOCATION L0000924     VOLUME   497188.997 3606559.911 48.21
   LOCATION L0000925     VOLUME   497192.276 3606559.891 48.25
   LOCATION L0000926     VOLUME   497195.556 3606559.872 48.30
   LOCATION L0000927     VOLUME   497198.836 3606559.852 48.34
   LOCATION L0000928     VOLUME   497202.116 3606559.832 48.36
   LOCATION L0000929     VOLUME   497205.396 3606559.813 48.37
   LOCATION L0000930     VOLUME   497208.676 3606559.793 48.39
   LOCATION L0000931     VOLUME   497211.956 3606559.774 48.41
   LOCATION L0000932     VOLUME   497215.236 3606559.754 48.43
   LOCATION L0000933     VOLUME   497218.516 3606559.734 48.45
   LOCATION L0000934     VOLUME   497221.796 3606559.715 48.47
   LOCATION L0000935     VOLUME   497225.076 3606559.695 48.48
   LOCATION L0000936     VOLUME   497228.356 3606559.676 48.46
   LOCATION L0000937     VOLUME   497231.636 3606559.656 48.43
   LOCATION L0000938     VOLUME   497234.916 3606559.636 48.41
   LOCATION L0000939     VOLUME   497238.196 3606559.617 48.39
   LOCATION L0000940     VOLUME   497241.476 3606559.597 48.37
   LOCATION L0000941     VOLUME   497244.756 3606559.577 48.35
   LOCATION L0000942     VOLUME   497248.035 3606559.558 48.32
** End of LINE VOLUME Source ID = SLINE2
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Brandywine Ave from Shinohara Lane to Main Street
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.69E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
** 497249.977, 3606559.231, 48.32, 0.00, 1.53
** 497251.206, 3606385.124, 42.07, 0.00, 1.53
** ------------------------------------------------------------------------
   LOCATION L0000943     VOLUME   497249.989 3606557.591 48.25
   LOCATION L0000944     VOLUME   497250.012 3606554.311 48.14
   LOCATION L0000945     VOLUME   497250.035 3606551.032 48.03
   LOCATION L0000946     VOLUME   497250.058 3606547.752 47.92
   LOCATION L0000947     VOLUME   497250.082 3606544.472 47.81
   LOCATION L0000948     VOLUME   497250.105 3606541.192 47.70
   LOCATION L0000949     VOLUME   497250.128 3606537.912 47.59
   LOCATION L0000950     VOLUME   497250.151 3606534.632 47.48
   LOCATION L0000951     VOLUME   497250.174 3606531.352 47.37
   LOCATION L0000952     VOLUME   497250.197 3606528.072 47.26
   LOCATION L0000953     VOLUME   497250.220 3606524.792 47.14
   LOCATION L0000954     VOLUME   497250.244 3606521.512 47.01
   LOCATION L0000955     VOLUME   497250.267 3606518.232 46.89
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   LOCATION L0000956     VOLUME   497250.290 3606514.952 46.77
   LOCATION L0000957     VOLUME   497250.313 3606511.673 46.64
   LOCATION L0000958     VOLUME   497250.336 3606508.393 46.52
   LOCATION L0000959     VOLUME   497250.359 3606505.113 46.39
   LOCATION L0000960     VOLUME   497250.382 3606501.833 46.27
   LOCATION L0000961     VOLUME   497250.406 3606498.553 46.14
   LOCATION L0000962     VOLUME   497250.429 3606495.273 45.99
   LOCATION L0000963     VOLUME   497250.452 3606491.993 45.84
   LOCATION L0000964     VOLUME   497250.475 3606488.713 45.69
   LOCATION L0000965     VOLUME   497250.498 3606485.433 45.53
   LOCATION L0000966     VOLUME   497250.521 3606482.153 45.38
   LOCATION L0000967     VOLUME   497250.544 3606478.873 45.22
   LOCATION L0000968     VOLUME   497250.567 3606475.593 45.07
   LOCATION L0000969     VOLUME   497250.591 3606472.314 44.92
   LOCATION L0000970     VOLUME   497250.614 3606469.034 44.76
   LOCATION L0000971     VOLUME   497250.637 3606465.754 44.60
   LOCATION L0000972     VOLUME   497250.660 3606462.474 44.42
   LOCATION L0000973     VOLUME   497250.683 3606459.194 44.24
   LOCATION L0000974     VOLUME   497250.706 3606455.914 44.07
   LOCATION L0000975     VOLUME   497250.729 3606452.634 43.90
   LOCATION L0000976     VOLUME   497250.753 3606449.354 43.72
   LOCATION L0000977     VOLUME   497250.776 3606446.074 43.55
   LOCATION L0000978     VOLUME   497250.799 3606442.794 43.38
   LOCATION L0000979     VOLUME   497250.822 3606439.514 43.20
   LOCATION L0000980     VOLUME   497250.845 3606436.234 43.03
   LOCATION L0000981     VOLUME   497250.868 3606432.955 42.90
   LOCATION L0000982     VOLUME   497250.891 3606429.675 42.76
   LOCATION L0000983     VOLUME   497250.915 3606426.395 42.62
   LOCATION L0000984     VOLUME   497250.938 3606423.115 42.48
   LOCATION L0000985     VOLUME   497250.961 3606419.835 42.35
   LOCATION L0000986     VOLUME   497250.984 3606416.555 42.21
   LOCATION L0000987     VOLUME   497251.007 3606413.275 42.07
   LOCATION L0000988     VOLUME   497251.030 3606409.995 41.94
   LOCATION L0000989     VOLUME   497251.053 3606406.715 41.80
   LOCATION L0000990     VOLUME   497251.077 3606403.435 41.79
   LOCATION L0000991     VOLUME   497251.100 3606400.155 41.83
   LOCATION L0000992     VOLUME   497251.123 3606396.875 41.86
   LOCATION L0000993     VOLUME   497251.146 3606393.595 41.89
   LOCATION L0000994     VOLUME   497251.169 3606390.316 41.93
   LOCATION L0000995     VOLUME   497251.192 3606387.036 41.96
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Main Street from Brandywine Ave to 805 freeway
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 5.73E-06
** Elevated
** Vertical Dimension = 3.66
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** SZINIT = 0.85
** Nodes = 2
** 497250.550, 3606383.877, 42.07, 0.00, 1.53
** 496658.774, 3606390.392, 39.20, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0001551     VOLUME   497248.910 3606383.895 41.98
   LOCATION L0001552     VOLUME   497245.630 3606383.931 42.02
   LOCATION L0001553     VOLUME   497242.350 3606383.967 42.06
   LOCATION L0001554     VOLUME   497239.071 3606384.003 42.10
   LOCATION L0001555     VOLUME   497235.791 3606384.040 42.14
   LOCATION L0001556     VOLUME   497232.511 3606384.076 42.18
   LOCATION L0001557     VOLUME   497229.231 3606384.112 42.22
   LOCATION L0001558     VOLUME   497225.951 3606384.148 42.26
   LOCATION L0001559     VOLUME   497222.672 3606384.184 42.29
   LOCATION L0001560     VOLUME   497219.392 3606384.220 42.28
   LOCATION L0001561     VOLUME   497216.112 3606384.256 42.27
   LOCATION L0001562     VOLUME   497212.832 3606384.292 42.26
   LOCATION L0001563     VOLUME   497209.552 3606384.328 42.25
   LOCATION L0001564     VOLUME   497206.273 3606384.365 42.25
   LOCATION L0001565     VOLUME   497202.993 3606384.401 42.24
   LOCATION L0001566     VOLUME   497199.713 3606384.437 42.23
   LOCATION L0001567     VOLUME   497196.433 3606384.473 42.22
   LOCATION L0001568     VOLUME   497193.153 3606384.509 42.21
   LOCATION L0001569     VOLUME   497189.874 3606384.545 42.21
   LOCATION L0001570     VOLUME   497186.594 3606384.581 42.20
   LOCATION L0001571     VOLUME   497183.314 3606384.617 42.19
   LOCATION L0001572     VOLUME   497180.034 3606384.653 42.19
   LOCATION L0001573     VOLUME   497176.754 3606384.690 42.18
   LOCATION L0001574     VOLUME   497173.475 3606384.726 42.17
   LOCATION L0001575     VOLUME   497170.195 3606384.762 42.18
   LOCATION L0001576     VOLUME   497166.915 3606384.798 42.18
   LOCATION L0001577     VOLUME   497163.635 3606384.834 42.19
   LOCATION L0001578     VOLUME   497160.355 3606384.870 42.20
   LOCATION L0001579     VOLUME   497157.076 3606384.906 42.21
   LOCATION L0001580     VOLUME   497153.796 3606384.942 42.22
   LOCATION L0001581     VOLUME   497150.516 3606384.978 42.23
   LOCATION L0001582     VOLUME   497147.236 3606385.015 42.24
   LOCATION L0001583     VOLUME   497143.956 3606385.051 42.19
   LOCATION L0001584     VOLUME   497140.677 3606385.087 42.08
   LOCATION L0001585     VOLUME   497137.397 3606385.123 41.96
   LOCATION L0001586     VOLUME   497134.117 3606385.159 41.85
   LOCATION L0001587     VOLUME   497130.837 3606385.195 41.73
   LOCATION L0001588     VOLUME   497127.557 3606385.231 41.62
   LOCATION L0001589     VOLUME   497124.278 3606385.267 41.50
   LOCATION L0001590     VOLUME   497120.998 3606385.303 41.38
   LOCATION L0001591     VOLUME   497117.718 3606385.340 41.35
   LOCATION L0001592     VOLUME   497114.438 3606385.376 41.36
   LOCATION L0001593     VOLUME   497111.158 3606385.412 41.38
   LOCATION L0001594     VOLUME   497107.879 3606385.448 41.40
   LOCATION L0001595     VOLUME   497104.599 3606385.484 41.42
   LOCATION L0001596     VOLUME   497101.319 3606385.520 41.44
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LOCATION L0001597     VOLUME   497098.039 3606385.556 41.46
LOCATION L0001598     VOLUME   497094.759 3606385.592 41.48
LOCATION L0001599     VOLUME   497091.480 3606385.628 41.39
LOCATION L0001600     VOLUME   497088.200 3606385.665 41.24
LOCATION L0001601     VOLUME   497084.920 3606385.701 41.09
LOCATION L0001602     VOLUME   497081.640 3606385.737 40.94
LOCATION L0001603     VOLUME   497078.360 3606385.773 40.79
LOCATION L0001604     VOLUME   497075.080 3606385.809 40.64
LOCATION L0001605     VOLUME   497071.801 3606385.845 40.49
LOCATION L0001606     VOLUME   497068.521 3606385.881 40.33
LOCATION L0001607     VOLUME   497065.241 3606385.917 40.33
LOCATION L0001608     VOLUME   497061.961 3606385.953 40.40
LOCATION L0001609     VOLUME   497058.681 3606385.990 40.46
LOCATION L0001610     VOLUME   497055.402 3606386.026 40.53
LOCATION L0001611     VOLUME   497052.122 3606386.062 40.60
LOCATION L0001612     VOLUME   497048.842 3606386.098 40.67
LOCATION L0001613     VOLUME   497045.562 3606386.134 40.74
LOCATION L0001614     VOLUME   497042.282 3606386.170 40.81
LOCATION L0001615     VOLUME   497039.003 3606386.206 40.83
LOCATION L0001616     VOLUME   497035.723 3606386.242 40.82
LOCATION L0001617     VOLUME   497032.443 3606386.278 40.82
LOCATION L0001618     VOLUME   497029.163 3606386.314 40.81
LOCATION L0001619     VOLUME   497025.883 3606386.351 40.81
LOCATION L0001620     VOLUME   497022.604 3606386.387 40.81
LOCATION L0001621     VOLUME   497019.324 3606386.423 40.80
LOCATION L0001622     VOLUME   497016.044 3606386.459 40.80
LOCATION L0001623     VOLUME   497012.764 3606386.495 40.79
LOCATION L0001624     VOLUME   497009.484 3606386.531 40.78
LOCATION L0001625     VOLUME   497006.205 3606386.567 40.76
LOCATION L0001626     VOLUME   497002.925 3606386.603 40.75
LOCATION L0001627     VOLUME   496999.645 3606386.639 40.74
LOCATION L0001628     VOLUME   496996.365 3606386.676 40.72
LOCATION L0001629     VOLUME   496993.085 3606386.712 40.71
LOCATION L0001630     VOLUME   496989.806 3606386.748 40.70
LOCATION L0001631     VOLUME   496986.526 3606386.784 40.67
LOCATION L0001632     VOLUME   496983.246 3606386.820 40.64
LOCATION L0001633     VOLUME   496979.966 3606386.856 40.62
LOCATION L0001634     VOLUME   496976.686 3606386.892 40.59
LOCATION L0001635     VOLUME   496973.407 3606386.928 40.56
LOCATION L0001636     VOLUME   496970.127 3606386.964 40.53
LOCATION L0001637     VOLUME   496966.847 3606387.001 40.50
LOCATION L0001638     VOLUME   496963.567 3606387.037 40.47
LOCATION L0001639     VOLUME   496960.287 3606387.073 40.45
LOCATION L0001640     VOLUME   496957.008 3606387.109 40.43
LOCATION L0001641     VOLUME   496953.728 3606387.145 40.40
LOCATION L0001642     VOLUME   496950.448 3606387.181 40.38
LOCATION L0001643     VOLUME   496947.168 3606387.217 40.36
LOCATION L0001644     VOLUME   496943.888 3606387.253 40.34
LOCATION L0001645     VOLUME   496940.609 3606387.289 40.32
LOCATION L0001646     VOLUME   496937.329 3606387.326 40.29
LOCATION L0001647     VOLUME   496934.049 3606387.362 40.43
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LOCATION L0001648     VOLUME   496930.769 3606387.398 40.57
LOCATION L0001649     VOLUME   496927.489 3606387.434 40.71
LOCATION L0001650     VOLUME   496924.210 3606387.470 40.85
LOCATION L0001651     VOLUME   496920.930 3606387.506 40.99
LOCATION L0001652     VOLUME   496917.650 3606387.542 41.13
LOCATION L0001653     VOLUME   496914.370 3606387.578 41.28
LOCATION L0001654     VOLUME   496911.090 3606387.614 41.42
LOCATION L0001655     VOLUME   496907.811 3606387.651 41.48
LOCATION L0001656     VOLUME   496904.531 3606387.687 41.53
LOCATION L0001657     VOLUME   496901.251 3606387.723 41.59
LOCATION L0001658     VOLUME   496897.971 3606387.759 41.64
LOCATION L0001659     VOLUME   496894.691 3606387.795 41.70
LOCATION L0001660     VOLUME   496891.412 3606387.831 41.75
LOCATION L0001661     VOLUME   496888.132 3606387.867 41.81
LOCATION L0001662     VOLUME   496884.852 3606387.903 41.86
LOCATION L0001663     VOLUME   496881.572 3606387.939 41.91
LOCATION L0001664     VOLUME   496878.292 3606387.976 41.95
LOCATION L0001665     VOLUME   496875.013 3606388.012 42.00
LOCATION L0001666     VOLUME   496871.733 3606388.048 42.04
LOCATION L0001667     VOLUME   496868.453 3606388.084 42.09
LOCATION L0001668     VOLUME   496865.173 3606388.120 42.13
LOCATION L0001669     VOLUME   496861.893 3606388.156 42.17
LOCATION L0001670     VOLUME   496858.614 3606388.192 42.22
LOCATION L0001671     VOLUME   496855.334 3606388.228 42.26
LOCATION L0001672     VOLUME   496852.054 3606388.264 42.30
LOCATION L0001673     VOLUME   496848.774 3606388.301 42.35
LOCATION L0001674     VOLUME   496845.494 3606388.337 42.39
LOCATION L0001675     VOLUME   496842.215 3606388.373 42.43
LOCATION L0001676     VOLUME   496838.935 3606388.409 42.48
LOCATION L0001677     VOLUME   496835.655 3606388.445 42.52
LOCATION L0001678     VOLUME   496832.375 3606388.481 42.56
LOCATION L0001679     VOLUME   496829.095 3606388.517 42.61
LOCATION L0001680     VOLUME   496825.816 3606388.553 42.65
LOCATION L0001681     VOLUME   496822.536 3606388.589 42.70
LOCATION L0001682     VOLUME   496819.256 3606388.626 42.74
LOCATION L0001683     VOLUME   496815.976 3606388.662 42.79
LOCATION L0001684     VOLUME   496812.696 3606388.698 42.83
LOCATION L0001685     VOLUME   496809.417 3606388.734 42.88
LOCATION L0001686     VOLUME   496806.137 3606388.770 42.92
LOCATION L0001687     VOLUME   496802.857 3606388.806 42.94
LOCATION L0001688     VOLUME   496799.577 3606388.842 42.97
LOCATION L0001689     VOLUME   496796.297 3606388.878 43.00
LOCATION L0001690     VOLUME   496793.018 3606388.914 43.03
LOCATION L0001691     VOLUME   496789.738 3606388.951 43.06
LOCATION L0001692     VOLUME   496786.458 3606388.987 43.09
LOCATION L0001693     VOLUME   496783.178 3606389.023 43.12
LOCATION L0001694     VOLUME   496779.898 3606389.059 43.13
LOCATION L0001695     VOLUME   496776.619 3606389.095 43.06
LOCATION L0001696     VOLUME   496773.339 3606389.131 42.99
LOCATION L0001697     VOLUME   496770.059 3606389.167 42.92
LOCATION L0001698     VOLUME   496766.779 3606389.203 42.85
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   LOCATION L0001699     VOLUME   496763.499 3606389.239 42.78
   LOCATION L0001700     VOLUME   496760.220 3606389.276 42.71
   LOCATION L0001701     VOLUME   496756.940 3606389.312 42.64
   LOCATION L0001702     VOLUME   496753.660 3606389.348 42.57
   LOCATION L0001703     VOLUME   496750.380 3606389.384 42.49
   LOCATION L0001704     VOLUME   496747.100 3606389.420 42.42
   LOCATION L0001705     VOLUME   496743.821 3606389.456 42.35
   LOCATION L0001706     VOLUME   496740.541 3606389.492 42.27
   LOCATION L0001707     VOLUME   496737.261 3606389.528 42.20
   LOCATION L0001708     VOLUME   496733.981 3606389.564 42.12
   LOCATION L0001709     VOLUME   496730.701 3606389.601 42.05
   LOCATION L0001710     VOLUME   496727.422 3606389.637 41.95
   LOCATION L0001711     VOLUME   496724.142 3606389.673 41.82
   LOCATION L0001712     VOLUME   496720.862 3606389.709 41.69
   LOCATION L0001713     VOLUME   496717.582 3606389.745 41.56
   LOCATION L0001714     VOLUME   496714.302 3606389.781 41.43
   LOCATION L0001715     VOLUME   496711.023 3606389.817 41.29
   LOCATION L0001716     VOLUME   496707.743 3606389.853 41.16
   LOCATION L0001717     VOLUME   496704.463 3606389.889 41.03
   LOCATION L0001718     VOLUME   496701.183 3606389.926 40.89
   LOCATION L0001719     VOLUME   496697.903 3606389.962 40.73
   LOCATION L0001720     VOLUME   496694.624 3606389.998 40.57
   LOCATION L0001721     VOLUME   496691.344 3606390.034 40.41
   LOCATION L0001722     VOLUME   496688.064 3606390.070 40.26
   LOCATION L0001723     VOLUME   496684.784 3606390.106 40.10
   LOCATION L0001724     VOLUME   496681.504 3606390.142 39.94
   LOCATION L0001725     VOLUME   496678.225 3606390.178 39.78
   LOCATION L0001726     VOLUME   496674.945 3606390.214 39.66
   LOCATION L0001727     VOLUME   496671.665 3606390.251 39.58
   LOCATION L0001728     VOLUME   496668.385 3606390.287 39.51
   LOCATION L0001729     VOLUME   496665.105 3606390.323 39.43
   LOCATION L0001730     VOLUME   496661.826 3606390.359 39.36
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      497086.160  3606629.320       54.370
** DESCRSRC Idle Position 1
   LOCATION STCK2        POINT      497085.270  3606660.680       59.380
** DESCRSRC Idle Position 2
   LOCATION STCK3        POINT      497085.940  3606691.590       62.580
** DESCRSRC Idle Position 3
   LOCATION STCK4        POINT      497086.160  3606731.400       64.210
** DESCRSRC Idle Position 4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC 805 Freeway Northbound Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.32E-06
** Elevated
** Vertical Dimension = 3.66
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** SZINIT = 0.85
** Nodes = 3
** 496660.808, 3606392.737, 39.18, 0.00, 1.53
** 496656.048, 3606447.305, 40.21, 0.00, 1.53
** 496635.811, 3606665.221, 55.96, 0.00, 1.53
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   LOCATION L0001176     VOLUME   496660.665 3606394.370 39.32
   LOCATION L0001177     VOLUME   496660.380 3606397.638 39.30
   LOCATION L0001178     VOLUME   496660.095 3606400.906 39.28
   LOCATION L0001179     VOLUME   496659.810 3606404.173 39.26
   LOCATION L0001180     VOLUME   496659.525 3606407.441 39.33
   LOCATION L0001181     VOLUME   496659.240 3606410.708 39.51
   LOCATION L0001182     VOLUME   496658.955 3606413.976 39.67
   LOCATION L0001183     VOLUME   496658.670 3606417.244 39.83
   LOCATION L0001184     VOLUME   496658.385 3606420.511 39.97
   LOCATION L0001185     VOLUME   496658.100 3606423.779 40.11
   LOCATION L0001186     VOLUME   496657.815 3606427.046 40.23
   LOCATION L0001187     VOLUME   496657.530 3606430.314 40.34
   LOCATION L0001188     VOLUME   496657.245 3606433.581 40.44
   LOCATION L0001189     VOLUME   496656.960 3606436.849 40.53
   LOCATION L0001190     VOLUME   496656.675 3606440.117 40.67
   LOCATION L0001191     VOLUME   496656.390 3606443.384 40.80
   LOCATION L0001192     VOLUME   496656.105 3606446.652 40.93
   LOCATION L0001193     VOLUME   496655.805 3606449.918 41.04
   LOCATION L0001194     VOLUME   496655.502 3606453.184 41.14
   LOCATION L0001195     VOLUME   496655.198 3606456.450 41.24
   LOCATION L0001196     VOLUME   496654.895 3606459.716 41.33
   LOCATION L0001197     VOLUME   496654.592 3606462.982 41.41
   LOCATION L0001198     VOLUME   496654.288 3606466.248 41.48
   LOCATION L0001199     VOLUME   496653.985 3606469.514 41.57
   LOCATION L0001200     VOLUME   496653.682 3606472.780 41.67
   LOCATION L0001201     VOLUME   496653.379 3606476.046 41.77
   LOCATION L0001202     VOLUME   496653.075 3606479.312 41.86
   LOCATION L0001203     VOLUME   496652.772 3606482.578 41.96
   LOCATION L0001204     VOLUME   496652.469 3606485.844 42.04
   LOCATION L0001205     VOLUME   496652.165 3606489.109 42.13
   LOCATION L0001206     VOLUME   496651.862 3606492.375 42.21
   LOCATION L0001207     VOLUME   496651.559 3606495.641 42.29
   LOCATION L0001208     VOLUME   496651.255 3606498.907 42.39
   LOCATION L0001209     VOLUME   496650.952 3606502.173 42.58
   LOCATION L0001210     VOLUME   496650.649 3606505.439 42.77
   LOCATION L0001211     VOLUME   496650.346 3606508.705 43.03
   LOCATION L0001212     VOLUME   496650.042 3606511.971 43.39
   LOCATION L0001213     VOLUME   496649.739 3606515.237 43.75
   LOCATION L0001214     VOLUME   496649.436 3606518.503 44.10
   LOCATION L0001215     VOLUME   496649.132 3606521.769 44.44
   LOCATION L0001216     VOLUME   496648.829 3606525.035 44.78
   LOCATION L0001217     VOLUME   496648.526 3606528.301 45.12
   LOCATION L0001218     VOLUME   496648.223 3606531.567 45.39
   LOCATION L0001219     VOLUME   496647.919 3606534.833 45.64
   LOCATION L0001220     VOLUME   496647.616 3606538.099 45.89
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   LOCATION L0001221     VOLUME   496647.313 3606541.365 46.13
   LOCATION L0001222     VOLUME   496647.009 3606544.631 46.37
   LOCATION L0001223     VOLUME   496646.706 3606547.897 46.61
   LOCATION L0001224     VOLUME   496646.403 3606551.162 46.84
   LOCATION L0001225     VOLUME   496646.099 3606554.428 47.07
   LOCATION L0001226     VOLUME   496645.796 3606557.694 47.29
   LOCATION L0001227     VOLUME   496645.493 3606560.960 47.56
   LOCATION L0001228     VOLUME   496645.190 3606564.226 47.96
   LOCATION L0001229     VOLUME   496644.886 3606567.492 48.35
   LOCATION L0001230     VOLUME   496644.583 3606570.758 48.72
   LOCATION L0001231     VOLUME   496644.280 3606574.024 49.09
   LOCATION L0001232     VOLUME   496643.976 3606577.290 49.46
   LOCATION L0001233     VOLUME   496643.673 3606580.556 49.81
   LOCATION L0001234     VOLUME   496643.370 3606583.822 50.16
   LOCATION L0001235     VOLUME   496643.066 3606587.088 50.50
   LOCATION L0001236     VOLUME   496642.763 3606590.354 50.83
   LOCATION L0001237     VOLUME   496642.460 3606593.620 51.19
   LOCATION L0001238     VOLUME   496642.157 3606596.886 51.55
   LOCATION L0001239     VOLUME   496641.853 3606600.152 51.89
   LOCATION L0001240     VOLUME   496641.550 3606603.418 52.23
   LOCATION L0001241     VOLUME   496641.247 3606606.684 52.56
   LOCATION L0001242     VOLUME   496640.943 3606609.950 52.88
   LOCATION L0001243     VOLUME   496640.640 3606613.215 53.19
   LOCATION L0001244     VOLUME   496640.337 3606616.481 53.49
   LOCATION L0001245     VOLUME   496640.034 3606619.747 53.78
   LOCATION L0001246     VOLUME   496639.730 3606623.013 54.04
   LOCATION L0001247     VOLUME   496639.427 3606626.279 54.27
   LOCATION L0001248     VOLUME   496639.124 3606629.545 54.50
   LOCATION L0001249     VOLUME   496638.820 3606632.811 54.71
   LOCATION L0001250     VOLUME   496638.517 3606636.077 54.93
   LOCATION L0001251     VOLUME   496638.214 3606639.343 55.14
   LOCATION L0001252     VOLUME   496637.910 3606642.609 55.34
   LOCATION L0001253     VOLUME   496637.607 3606645.875 55.54
   LOCATION L0001254     VOLUME   496637.304 3606649.141 55.73
   LOCATION L0001255     VOLUME   496637.001 3606652.407 55.92
   LOCATION L0001256     VOLUME   496636.697 3606655.673 56.04
   LOCATION L0001257     VOLUME   496636.394 3606658.939 56.15
   LOCATION L0001258     VOLUME   496636.091 3606662.205 56.26
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Main Street from 805 NB Ramp to SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 5.9E-07
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
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** 496657.542, 3606389.788, 39.21, 0.00, 1.53
** 496535.861, 3606385.384, 39.14, 0.00, 1.53
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   LOCATION L0001259     VOLUME   496655.903 3606389.729 39.23
   LOCATION L0001260     VOLUME   496652.625 3606389.610 39.16
   LOCATION L0001261     VOLUME   496649.347 3606389.492 39.21
   LOCATION L0001262     VOLUME   496646.069 3606389.373 39.53
   LOCATION L0001263     VOLUME   496642.791 3606389.254 39.85
   LOCATION L0001264     VOLUME   496639.514 3606389.136 40.15
   LOCATION L0001265     VOLUME   496636.236 3606389.017 40.46
   LOCATION L0001266     VOLUME   496632.958 3606388.898 40.75
   LOCATION L0001267     VOLUME   496629.680 3606388.780 41.04
   LOCATION L0001268     VOLUME   496626.402 3606388.661 41.33
   LOCATION L0001269     VOLUME   496623.124 3606388.542 41.55
   LOCATION L0001270     VOLUME   496619.846 3606388.424 41.66
   LOCATION L0001271     VOLUME   496616.569 3606388.305 41.77
   LOCATION L0001272     VOLUME   496613.291 3606388.186 41.88
   LOCATION L0001273     VOLUME   496610.013 3606388.068 41.99
   LOCATION L0001274     VOLUME   496606.735 3606387.949 42.09
   LOCATION L0001275     VOLUME   496603.457 3606387.830 42.19
   LOCATION L0001276     VOLUME   496600.179 3606387.712 42.29
   LOCATION L0001277     VOLUME   496596.901 3606387.593 42.32
   LOCATION L0001278     VOLUME   496593.624 3606387.475 42.28
   LOCATION L0001279     VOLUME   496590.346 3606387.356 42.23
   LOCATION L0001280     VOLUME   496587.068 3606387.237 42.18
   LOCATION L0001281     VOLUME   496583.790 3606387.119 42.14
   LOCATION L0001282     VOLUME   496580.512 3606387.000 42.09
   LOCATION L0001283     VOLUME   496577.234 3606386.881 42.05
   LOCATION L0001284     VOLUME   496573.956 3606386.763 42.00
   LOCATION L0001285     VOLUME   496570.679 3606386.644 41.79
   LOCATION L0001286     VOLUME   496567.401 3606386.525 41.41
   LOCATION L0001287     VOLUME   496564.123 3606386.407 41.03
   LOCATION L0001288     VOLUME   496560.845 3606386.288 40.66
   LOCATION L0001289     VOLUME   496557.567 3606386.169 40.30
   LOCATION L0001290     VOLUME   496554.289 3606386.051 39.94
   LOCATION L0001291     VOLUME   496551.012 3606385.932 39.60
   LOCATION L0001292     VOLUME   496547.734 3606385.814 39.26
   LOCATION L0001293     VOLUME   496544.456 3606385.695 39.15
   LOCATION L0001294     VOLUME   496541.178 3606385.576 39.26
   LOCATION L0001295     VOLUME   496537.900 3606385.458 39.37
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC 805 SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.2E-06
** Elevated
** Vertical Dimension = 3.66
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** SZINIT = 0.85
** Nodes = 2
** 496537.129, 3606382.811, 39.16, 0.00, 1.53
** 496567.248, 3606137.652, 39.35, 0.00, 1.53
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   LOCATION L0001296     VOLUME   496537.329 3606381.184 39.30
   LOCATION L0001297     VOLUME   496537.729 3606377.928 39.24
   LOCATION L0001298     VOLUME   496538.129 3606374.673 39.17
   LOCATION L0001299     VOLUME   496538.529 3606371.417 39.08
   LOCATION L0001300     VOLUME   496538.929 3606368.161 39.00
   LOCATION L0001301     VOLUME   496539.329 3606364.906 38.92
   LOCATION L0001302     VOLUME   496539.729 3606361.650 38.84
   LOCATION L0001303     VOLUME   496540.129 3606358.395 38.76
   LOCATION L0001304     VOLUME   496540.529 3606355.139 38.69
   LOCATION L0001305     VOLUME   496540.929 3606351.884 38.62
   LOCATION L0001306     VOLUME   496541.329 3606348.628 38.55
   LOCATION L0001307     VOLUME   496541.729 3606345.373 38.49
   LOCATION L0001308     VOLUME   496542.129 3606342.117 38.48
   LOCATION L0001309     VOLUME   496542.529 3606338.862 38.48
   LOCATION L0001310     VOLUME   496542.929 3606335.606 38.50
   LOCATION L0001311     VOLUME   496543.329 3606332.351 38.51
   LOCATION L0001312     VOLUME   496543.728 3606329.095 38.53
   LOCATION L0001313     VOLUME   496544.128 3606325.840 38.55
   LOCATION L0001314     VOLUME   496544.528 3606322.584 38.58
   LOCATION L0001315     VOLUME   496544.928 3606319.329 38.61
   LOCATION L0001316     VOLUME   496545.328 3606316.073 38.64
   LOCATION L0001317     VOLUME   496545.728 3606312.818 38.69
   LOCATION L0001318     VOLUME   496546.128 3606309.562 38.77
   LOCATION L0001319     VOLUME   496546.528 3606306.307 38.91
   LOCATION L0001320     VOLUME   496546.928 3606303.051 39.04
   LOCATION L0001321     VOLUME   496547.328 3606299.795 39.17
   LOCATION L0001322     VOLUME   496547.728 3606296.540 39.30
   LOCATION L0001323     VOLUME   496548.128 3606293.284 39.42
   LOCATION L0001324     VOLUME   496548.528 3606290.029 39.54
   LOCATION L0001325     VOLUME   496548.928 3606286.773 39.65
   LOCATION L0001326     VOLUME   496549.328 3606283.518 39.76
   LOCATION L0001327     VOLUME   496549.728 3606280.262 39.87
   LOCATION L0001328     VOLUME   496550.128 3606277.007 39.99
   LOCATION L0001329     VOLUME   496550.528 3606273.751 40.09
   LOCATION L0001330     VOLUME   496550.928 3606270.496 40.20
   LOCATION L0001331     VOLUME   496551.328 3606267.240 40.30
   LOCATION L0001332     VOLUME   496551.728 3606263.985 40.39
   LOCATION L0001333     VOLUME   496552.128 3606260.729 40.48
   LOCATION L0001334     VOLUME   496552.528 3606257.474 40.57
   LOCATION L0001335     VOLUME   496552.928 3606254.218 40.65
   LOCATION L0001336     VOLUME   496553.328 3606250.963 40.67
   LOCATION L0001337     VOLUME   496553.727 3606247.707 40.59
   LOCATION L0001338     VOLUME   496554.127 3606244.452 40.50
   LOCATION L0001339     VOLUME   496554.527 3606241.196 40.42
   LOCATION L0001340     VOLUME   496554.927 3606237.941 40.34
   LOCATION L0001341     VOLUME   496555.327 3606234.685 40.27
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   LOCATION L0001342     VOLUME   496555.727 3606231.429 40.19
   LOCATION L0001343     VOLUME   496556.127 3606228.174 40.12
   LOCATION L0001344     VOLUME   496556.527 3606224.918 40.05
   LOCATION L0001345     VOLUME   496556.927 3606221.663 39.99
   LOCATION L0001346     VOLUME   496557.327 3606218.407 39.91
   LOCATION L0001347     VOLUME   496557.727 3606215.152 39.83
   LOCATION L0001348     VOLUME   496558.127 3606211.896 39.76
   LOCATION L0001349     VOLUME   496558.527 3606208.641 39.68
   LOCATION L0001350     VOLUME   496558.927 3606205.385 39.62
   LOCATION L0001351     VOLUME   496559.327 3606202.130 39.55
   LOCATION L0001352     VOLUME   496559.727 3606198.874 39.49
   LOCATION L0001353     VOLUME   496560.127 3606195.619 39.43
   LOCATION L0001354     VOLUME   496560.527 3606192.363 39.38
   LOCATION L0001355     VOLUME   496560.927 3606189.108 39.32
   LOCATION L0001356     VOLUME   496561.327 3606185.852 39.27
   LOCATION L0001357     VOLUME   496561.727 3606182.597 39.22
   LOCATION L0001358     VOLUME   496562.127 3606179.341 39.17
   LOCATION L0001359     VOLUME   496562.527 3606176.086 39.13
   LOCATION L0001360     VOLUME   496562.927 3606172.830 39.09
   LOCATION L0001361     VOLUME   496563.326 3606169.575 39.05
   LOCATION L0001362     VOLUME   496563.726 3606166.319 39.02
   LOCATION L0001363     VOLUME   496564.126 3606163.063 39.00
   LOCATION L0001364     VOLUME   496564.526 3606159.808 38.97
   LOCATION L0001365     VOLUME   496564.926 3606156.552 38.98
   LOCATION L0001366     VOLUME   496565.326 3606153.297 38.99
   LOCATION L0001367     VOLUME   496565.726 3606150.041 39.00
   LOCATION L0001368     VOLUME   496566.126 3606146.786 39.01
   LOCATION L0001369     VOLUME   496566.526 3606143.530 39.03
   LOCATION L0001370     VOLUME   496566.926 3606140.275 39.04
** End of LINE VOLUME Source ID = SLINE7
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000838     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000839     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000840     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000841     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000842     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000843     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000844     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000845     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000846     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000847     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000848     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000849     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000850     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000851     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000852     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000853     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000854     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000855     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000856     0.00000004657      0.00      1.53      0.85
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   SRCPARAM L0000857     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000858     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000859     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000860     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000861     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000862     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000863     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000864     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000865     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000866     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000867     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000868     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000869     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000870     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000871     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000872     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000873     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000874     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000875     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000876     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000877     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000878     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000879     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000880     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000881     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000882     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000883     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000884     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000885     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000886     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000887     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000888     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000889     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000890     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000891     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000892     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000893     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000894     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000895     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000896     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000897     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000898     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000899     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000900     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000901     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000902     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000903     0.00000004657      0.00      1.53      0.85
   SRCPARAM L0000904     0.00000004657      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000905     0.00000003158      0.00      1.53      0.85
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   SRCPARAM L0000906     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000907     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000908     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000909     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000910     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000911     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000912     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000913     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000914     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000915     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000916     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000917     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000918     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000919     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000920     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000921     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000922     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000923     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000924     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000925     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000926     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000927     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000928     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000929     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000930     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000931     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000932     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000933     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000934     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000935     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000936     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000937     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000938     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000939     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000940     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000941     0.00000003158      0.00      1.53      0.85
   SRCPARAM L0000942     0.00000003158      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000943     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000944     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000945     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000946     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000947     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000948     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000949     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000950     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000951     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000952     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000953     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000954     0.00000003189      0.00      1.53      0.85
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   SRCPARAM L0000955     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000956     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000957     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000958     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000959     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000960     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000961     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000962     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000963     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000964     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000965     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000966     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000967     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000968     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000969     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000970     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000971     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000972     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000973     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000974     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000975     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000976     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000977     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000978     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000979     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000980     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000981     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000982     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000983     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000984     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000985     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000986     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000987     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000988     0.00000003189      0.00      1.53      0.85
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   SRCPARAM L0000992     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000993     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000994     0.00000003189      0.00      1.53      0.85
   SRCPARAM L0000995     0.00000003189      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001551     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001552     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001553     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001554     0.00000003183      0.00      1.53      0.85
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   SRCPARAM L0001556     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001557     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001558     0.00000003183      0.00      1.53      0.85
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SRCPARAM L0001559     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001560     0.00000003183      0.00      1.53      0.85
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SRCPARAM L0001562     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001563     0.00000003183      0.00      1.53      0.85
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SRCPARAM L0001565     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001566     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001567     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001568     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001569     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001570     0.00000003183      0.00      1.53      0.85
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SRCPARAM L0001572     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001573     0.00000003183      0.00      1.53      0.85
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SRCPARAM L0001583     0.00000003183      0.00      1.53      0.85
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SRCPARAM L0001707     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001708     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001709     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001710     0.00000003183      0.00      1.53      0.85
SRCPARAM L0001711     0.00000003183      0.00      1.53      0.85
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   SRCPARAM L0001712     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001713     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001714     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001715     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001716     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001717     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001718     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001719     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001720     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001721     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001722     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001723     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001724     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001725     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001726     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001727     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001728     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001729     0.00000003183      0.00      1.53      0.85
   SRCPARAM L0001730     0.00000003183      0.00      1.53      0.85
** ------------------------------------------------------------------
   SRCPARAM STCK1         8.36E-06     3.658   366.000  51.90000     0.100
   SRCPARAM STCK2         8.36E-06     3.658   366.000  51.90000     0.100
   SRCPARAM STCK3         8.36E-06     3.658   366.000 551.90000     0.100
   SRCPARAM STCK4         8.36E-06     3.658   366.000  51.90000     0.100
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001176     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001177     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001178     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001179     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001180     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001181     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001182     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001183     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001184     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001185     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001186     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001187     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001188     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001189     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001190     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001191     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001192     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001193     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001194     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001195     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001196     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001197     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001198     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001199     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001200     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001201     0.0000000159      0.00      1.53      0.85
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SRCPARAM L0001202     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001203     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001204     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001205     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001206     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001207     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001208     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001209     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001210     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001211     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001212     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001213     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001214     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001215     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001216     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001217     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001218     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001219     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001220     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001221     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001222     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001223     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001224     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001225     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001226     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001227     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001228     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001229     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001230     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001231     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001232     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001233     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001234     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001235     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001236     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001237     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001238     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001239     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001240     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001241     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001242     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001243     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001244     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001245     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001246     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001247     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001248     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001249     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001250     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001251     0.0000000159      0.00      1.53      0.85
SRCPARAM L0001252     0.0000000159      0.00      1.53      0.85
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   SRCPARAM L0001253     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001254     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001255     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001256     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001257     0.0000000159      0.00      1.53      0.85
   SRCPARAM L0001258     0.0000000159      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0001259     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001260     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001261     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001262     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001263     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001264     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001265     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001266     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001267     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001268     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001269     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001270     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001271     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001272     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001273     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001274     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001275     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001276     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001277     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001278     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001279     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001280     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001281     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001282     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001283     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001284     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001285     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001286     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001287     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001288     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001289     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001290     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001291     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001292     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001293     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001294     0.00000001595      0.00      1.53      0.85
   SRCPARAM L0001295     0.00000001595      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0001296     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001297     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001298     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001299     0.000000016      0.00      1.53      0.85
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SRCPARAM L0001300     0.000000016      0.00      1.53      0.85
SRCPARAM L0001301     0.000000016      0.00      1.53      0.85
SRCPARAM L0001302     0.000000016      0.00      1.53      0.85
SRCPARAM L0001303     0.000000016      0.00      1.53      0.85
SRCPARAM L0001304     0.000000016      0.00      1.53      0.85
SRCPARAM L0001305     0.000000016      0.00      1.53      0.85
SRCPARAM L0001306     0.000000016      0.00      1.53      0.85
SRCPARAM L0001307     0.000000016      0.00      1.53      0.85
SRCPARAM L0001308     0.000000016      0.00      1.53      0.85
SRCPARAM L0001309     0.000000016      0.00      1.53      0.85
SRCPARAM L0001310     0.000000016      0.00      1.53      0.85
SRCPARAM L0001311     0.000000016      0.00      1.53      0.85
SRCPARAM L0001312     0.000000016      0.00      1.53      0.85
SRCPARAM L0001313     0.000000016      0.00      1.53      0.85
SRCPARAM L0001314     0.000000016      0.00      1.53      0.85
SRCPARAM L0001315     0.000000016      0.00      1.53      0.85
SRCPARAM L0001316     0.000000016      0.00      1.53      0.85
SRCPARAM L0001317     0.000000016      0.00      1.53      0.85
SRCPARAM L0001318     0.000000016      0.00      1.53      0.85
SRCPARAM L0001319     0.000000016      0.00      1.53      0.85
SRCPARAM L0001320     0.000000016      0.00      1.53      0.85
SRCPARAM L0001321     0.000000016      0.00      1.53      0.85
SRCPARAM L0001322     0.000000016      0.00      1.53      0.85
SRCPARAM L0001323     0.000000016      0.00      1.53      0.85
SRCPARAM L0001324     0.000000016      0.00      1.53      0.85
SRCPARAM L0001325     0.000000016      0.00      1.53      0.85
SRCPARAM L0001326     0.000000016      0.00      1.53      0.85
SRCPARAM L0001327     0.000000016      0.00      1.53      0.85
SRCPARAM L0001328     0.000000016      0.00      1.53      0.85
SRCPARAM L0001329     0.000000016      0.00      1.53      0.85
SRCPARAM L0001330     0.000000016      0.00      1.53      0.85
SRCPARAM L0001331     0.000000016      0.00      1.53      0.85
SRCPARAM L0001332     0.000000016      0.00      1.53      0.85
SRCPARAM L0001333     0.000000016      0.00      1.53      0.85
SRCPARAM L0001334     0.000000016      0.00      1.53      0.85
SRCPARAM L0001335     0.000000016      0.00      1.53      0.85
SRCPARAM L0001336     0.000000016      0.00      1.53      0.85
SRCPARAM L0001337     0.000000016      0.00      1.53      0.85
SRCPARAM L0001338     0.000000016      0.00      1.53      0.85
SRCPARAM L0001339     0.000000016      0.00      1.53      0.85
SRCPARAM L0001340     0.000000016      0.00      1.53      0.85
SRCPARAM L0001341     0.000000016      0.00      1.53      0.85
SRCPARAM L0001342     0.000000016      0.00      1.53      0.85
SRCPARAM L0001343     0.000000016      0.00      1.53      0.85
SRCPARAM L0001344     0.000000016      0.00      1.53      0.85
SRCPARAM L0001345     0.000000016      0.00      1.53      0.85
SRCPARAM L0001346     0.000000016      0.00      1.53      0.85
SRCPARAM L0001347     0.000000016      0.00      1.53      0.85
SRCPARAM L0001348     0.000000016      0.00      1.53      0.85
SRCPARAM L0001349     0.000000016      0.00      1.53      0.85
SRCPARAM L0001350     0.000000016      0.00      1.53      0.85
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   SRCPARAM L0001351     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001352     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001353     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001354     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001355     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001356     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001357     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001358     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001359     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001360     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001361     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001362     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001363     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001364     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001365     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001366     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001367     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001368     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001369     0.000000016      0.00      1.53      0.85
   SRCPARAM L0001370     0.000000016      0.00      1.53      0.85
** ------------------------------------------------------------------

** Building Downwash **
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
```

BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK4	164.25	138.47	108.47	134.62	161.13	183.02

BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN	STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN	STCK4	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
XBADJ	STCK1	-61.02	-75.09	-86.87	-96.02	-102.25	-105.37
XBADJ	STCK1	-105.29	-102.01	-95.63	-116.76	-136.70	-152.49
XBADJ	STCK1	-163.64	-169.83	-170.85	-166.68	-157.45	-143.43
XBADJ	STCK1	-141.44	-136.53	-127.48	-114.66	-98.83	-80.00
XBADJ	STCK1	-58.97	-36.46	-12.84	-17.86	-24.43	-30.53
XBADJ	STCK1	-35.71	-39.80	-42.90	-45.08	-45.88	-45.29
XBADJ	STCK2	-91.75	-104.25	-113.59	-119.47	-121.72	-120.28
XBADJ	STCK2	-115.18	-106.58	-94.74	-110.44	-125.14	-136.04
XBADJ	STCK2	-142.80	-145.23	-143.25	-136.91	-126.41	-112.07
XBADJ	STCK2	-110.71	-107.37	-100.77	-91.21	-79.36	-65.09
XBADJ	STCK2	-49.08	-31.89	-13.73	-24.18	-35.99	-46.98
XBADJ	STCK2	-56.55	-64.40	-70.51	-74.85	-76.92	-76.65
XBADJ	STCK3	-122.31	-133.53	-140.69	-143.58	-142.10	-136.31
XBADJ	STCK3	-126.38	-112.61	-95.41	-105.73	-115.20	-121.16
XBADJ	STCK3	-123.45	-121.98	-116.81	-108.09	-96.08	-81.16
XBADJ	STCK3	-80.16	-78.09	-73.66	-67.10	-58.97	-49.06
XBADJ	STCK3	-37.88	-25.86	-13.06	-28.89	-45.93	-61.86
XBADJ	STCK3	-75.91	-87.65	-96.94	-103.67	-107.24	-107.56
XBADJ	STCK4	-161.55	-171.01	-175.28	-174.22	-167.86	-156.41
XBADJ	STCK4	-140.20	-119.73	-95.63	-99.03	-101.79	-101.45
XBADJ	STCK4	-98.03	-91.63	-82.45	-70.76	-56.92	-41.35
XBADJ	STCK4	-40.91	-40.61	-39.08	-36.46	-33.22	-28.96
XBADJ	STCK4	-24.05	-18.73	-12.84	-35.59	-59.34	-81.57
XBADJ	STCK4	-101.33	-118.00	-131.31	-141.00	-146.41	-147.37
YBADJ	STCK1	49.45	56.14	60.98	63.97	65.01	63.97
YBADJ	STCK1	60.80	55.78	49.07	40.21	30.72	20.30
YBADJ	STCK1	9.32	-1.71	-12.68	-23.16	-32.78	-41.40
YBADJ	STCK1	-49.45	-56.14	-60.98	-63.97	-65.01	-63.97
YBADJ	STCK1	-60.80	-55.78	-49.07	-40.21	-30.72	-20.30
YBADJ	STCK1	-9.32	1.71	12.68	23.16	32.78	41.40
YBADJ	STCK2	43.13	44.57	44.53	43.13	40.42	36.37
YBADJ	STCK2	31.03	24.75	17.71	9.48	1.56	-6.41
YBADJ	STCK2	-14.13	-21.18	-27.59	-33.05	-37.34	-40.51
YBADJ	STCK2	-43.13	-44.57	-44.53	-43.13	-40.42	-36.37
YBADJ	STCK2	-31.03	-24.75	-17.71	-9.48	-1.56	6.41
YBADJ	STCK2	14.13	21.18	27.59	33.05	37.34	40.51
YBADJ	STCK3	38.42	34.63	29.65	23.77	17.17	9.94
YBADJ	STCK3	2.21	-5.58	-13.20	-21.08	-27.72	-33.51
YBADJ	STCK3	-38.24	-41.56	-43.63	-44.25	-43.37	-41.17
YBADJ	STCK3	-38.42	-34.63	-29.65	-23.77	-17.17	-9.94

```
   YBADJ    STCK3           -2.21     5.58    13.20    21.08    27.72    33.51
   YBADJ    STCK3           38.24    41.56    43.63    44.25    43.37    41.17

   YBADJ    STCK4           31.72    21.22     9.94    -1.65   -13.19   -24.43
   YBADJ    STCK4          -35.12   -44.75   -53.01   -60.32   -65.20   -68.10
   YBADJ    STCK4          -68.88   -67.32   -63.72   -58.07   -50.50   -41.39
   YBADJ    STCK4          -31.72   -21.22    -9.94     1.65    13.19    24.43
   YBADJ    STCK4           35.12    44.75    53.01    60.32    65.20    68.10
   YBADJ    STCK4           68.88    67.32    63.72    58.07    50.50    41.39

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Shinohara HRA - 2 year.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC
   PROFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
   SURFDATA 3178 2009
   UAIRDATA 3190 2009
   PROFBASE 157.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "SHINOHARA HRA - 2 YEAR.AD\PE00GALL.PLT" 31
   SUMMFILE "Shinohara HRA - 2 year.sum"
OU FINISHED


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

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

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


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


   ********   WARNING MESSAGES   ********
SO W320    1041        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1042        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1043        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1044        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

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

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 537 Source(s);   1 Source Group(s); and   451 Receptor(s)

               with: 4 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 533 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

```
**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs 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) =   157.00 ;  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:   Shinohara HRA - 2 year.err
**File for Summary of Results:   Shinohara HRA - 2 year.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.83600E-05	497086.2	3606629.3	54.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK2	0	0.83600E-05	497085.3	3606660.7	59.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK3	0	0.83600E-05	497085.9	3606691.6	62.6	3.66	366.00	551.90	0.10	YES	NO	NO	
STCK4	0	0.83600E-05	497086.2	3606731.4	64.2	3.66	366.00	51.90	0.10	YES	NO	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000838	0	0.46570E-07	497124.0	3606564.8	46.9	0.00	1.53	0.85	NO	
L0000839	0	0.46570E-07	497121.7	3606567.2	46.8	0.00	1.53	0.85	NO	
L0000840	0	0.46570E-07	497119.5	3606569.6	46.7	0.00	1.53	0.85	NO	
L0000841	0	0.46570E-07	497117.2	3606572.0	46.9	0.00	1.53	0.85	NO	
L0000842	0	0.46570E-07	497115.8	3606574.9	47.2	0.00	1.53	0.85	NO	
L0000843	0	0.46570E-07	497114.7	3606578.0	47.4	0.00	1.53	0.85	NO	
L0000844	0	0.46570E-07	497113.6	3606581.1	47.7	0.00	1.53	0.85	NO	
L0000845	0	0.46570E-07	497112.5	3606584.2	47.9	0.00	1.53	0.85	NO	
L0000846	0	0.46570E-07	497111.5	3606587.3	48.1	0.00	1.53	0.85	NO	
L0000847	0	0.46570E-07	497111.5	3606590.5	48.4	0.00	1.53	0.85	NO	
L0000848	0	0.46570E-07	497111.6	3606593.8	48.7	0.00	1.53	0.85	NO	
L0000849	0	0.46570E-07	497111.7	3606597.1	48.9	0.00	1.53	0.85	NO	
L0000850	0	0.46570E-07	497111.8	3606600.4	49.2	0.00	1.53	0.85	NO	
L0000851	0	0.46570E-07	497111.9	3606603.7	49.5	0.00	1.53	0.85	NO	
L0000852	0	0.46570E-07	497112.0	3606606.9	49.8	0.00	1.53	0.85	NO	
L0000853	0	0.46570E-07	497112.1	3606610.2	50.1	0.00	1.53	0.85	NO	
L0000854	0	0.46570E-07	497112.2	3606613.5	50.4	0.00	1.53	0.85	NO	
L0000855	0	0.46570E-07	497112.3	3606616.8	50.6	0.00	1.53	0.85	NO	
L0000856	0	0.46570E-07	497112.3	3606620.1	50.9	0.00	1.53	0.85	NO	
L0000857	0	0.46570E-07	497112.4	3606623.3	51.2	0.00	1.53	0.85	NO	
L0000858	0	0.46570E-07	497112.5	3606626.6	51.5	0.00	1.53	0.85	NO	
L0000859	0	0.46570E-07	497112.6	3606629.9	51.8	0.00	1.53	0.85	NO	
L0000860	0	0.46570E-07	497112.7	3606633.2	52.1	0.00	1.53	0.85	NO	
L0000861	0	0.46570E-07	497112.8	3606636.5	52.4	0.00	1.53	0.85	NO	
L0000862	0	0.46570E-07	497112.9	3606639.7	52.7	0.00	1.53	0.85	NO	
L0000863	0	0.46570E-07	497113.0	3606643.0	53.0	0.00	1.53	0.85	NO	
L0000864	0	0.46570E-07	497113.1	3606646.3	53.3	0.00	1.53	0.85	NO	
L0000865	0	0.46570E-07	497113.1	3606649.6	53.6	0.00	1.53	0.85	NO	
L0000866	0	0.46570E-07	497113.2	3606652.8	53.9	0.00	1.53	0.85	NO	
L0000867	0	0.46570E-07	497113.3	3606656.1	54.3	0.00	1.53	0.85	NO	
L0000868	0	0.46570E-07	497113.3	3606659.4	54.7	0.00	1.53	0.85	NO	
L0000869	0	0.46570E-07	497113.3	3606662.7	55.1	0.00	1.53	0.85	NO	
L0000870	0	0.46570E-07	497113.3	3606666.0	55.5	0.00	1.53	0.85	NO	
L0000871	0	0.46570E-07	497113.3	3606669.2	56.0	0.00	1.53	0.85	NO	
L0000872	0	0.46570E-07	497113.3	3606672.5	56.4	0.00	1.53	0.85	NO	
L0000873	0	0.46570E-07	497113.3	3606675.8	56.8	0.00	1.53	0.85	NO	
L0000874	0	0.46570E-07	497113.3	3606679.1	57.2	0.00	1.53	0.85	NO	
L0000875	0	0.46570E-07	497113.3	3606682.4	57.6	0.00	1.53	0.85	NO	

L0000876	0	0.46570E-07	497113.3	3606685.6	58.0	0.00	1.53	0.85	NO
L0000877	0	0.46570E-07	497113.3	3606688.9	58.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000878	0	0.46570E-07	497113.3	3606692.2	58.7	0.00	1.53	0.85	NO	
L0000879	0	0.46570E-07	497113.3	3606695.5	59.1	0.00	1.53	0.85	NO	
L0000880	0	0.46570E-07	497113.3	3606698.8	59.5	0.00	1.53	0.85	NO	
L0000881	0	0.46570E-07	497113.3	3606702.0	59.9	0.00	1.53	0.85	NO	
L0000882	0	0.46570E-07	497113.3	3606705.3	60.3	0.00	1.53	0.85	NO	
L0000883	0	0.46570E-07	497113.3	3606708.6	60.7	0.00	1.53	0.85	NO	
L0000884	0	0.46570E-07	497113.3	3606711.9	61.1	0.00	1.53	0.85	NO	
L0000885	0	0.46570E-07	497113.3	3606715.2	61.5	0.00	1.53	0.85	NO	
L0000886	0	0.46570E-07	497113.3	3606718.4	61.9	0.00	1.53	0.85	NO	
L0000887	0	0.46570E-07	497113.3	3606721.7	62.3	0.00	1.53	0.85	NO	
L0000888	0	0.46570E-07	497113.3	3606725.0	62.7	0.00	1.53	0.85	NO	
L0000889	0	0.46570E-07	497113.3	3606728.3	63.1	0.00	1.53	0.85	NO	
L0000890	0	0.46570E-07	497113.3	3606731.6	63.6	0.00	1.53	0.85	NO	
L0000891	0	0.46570E-07	497113.3	3606734.8	64.0	0.00	1.53	0.85	NO	
L0000892	0	0.46570E-07	497113.3	3606738.1	64.4	0.00	1.53	0.85	NO	
L0000893	0	0.46570E-07	497113.3	3606741.4	64.8	0.00	1.53	0.85	NO	
L0000894	0	0.46570E-07	497113.3	3606744.7	65.2	0.00	1.53	0.85	NO	
L0000895	0	0.46570E-07	497113.3	3606748.0	66.0	0.00	1.53	0.85	NO	
L0000896	0	0.46570E-07	497113.3	3606751.2	66.8	0.00	1.53	0.85	NO	
L0000897	0	0.46570E-07	497113.3	3606754.5	67.6	0.00	1.53	0.85	NO	
L0000898	0	0.46570E-07	497113.3	3606757.8	68.4	0.00	1.53	0.85	NO	
L0000899	0	0.46570E-07	497113.3	3606761.1	69.2	0.00	1.53	0.85	NO	
L0000900	0	0.46570E-07	497113.3	3606764.4	70.0	0.00	1.53	0.85	NO	
L0000901	0	0.46570E-07	497113.3	3606767.6	70.8	0.00	1.53	0.85	NO	
L0000902	0	0.46570E-07	497113.3	3606770.9	71.6	0.00	1.53	0.85	NO	
L0000903	0	0.46570E-07	497113.3	3606774.2	72.4	0.00	1.53	0.85	NO	
L0000904	0	0.46570E-07	497113.3	3606777.5	72.9	0.00	1.53	0.85	NO	
L0000905	0	0.31580E-07	497127.2	3606561.3	46.9	0.00	1.53	0.85	NO	
L0000906	0	0.31580E-07	497130.0	3606560.3	47.1	0.00	1.53	0.85	NO	
L0000907	0	0.31580E-07	497133.2	3606560.2	47.5	0.00	1.53	0.85	NO	
L0000908	0	0.31580E-07	497136.5	3606560.2	47.8	0.00	1.53	0.85	NO	
L0000909	0	0.31580E-07	497139.8	3606560.2	48.2	0.00	1.53	0.85	NO	
L0000910	0	0.31580E-07	497143.1	3606560.2	48.5	0.00	1.53	0.85	NO	
L0000911	0	0.31580E-07	497146.4	3606560.2	48.8	0.00	1.53	0.85	NO	
L0000912	0	0.31580E-07	497149.6	3606560.1	48.7	0.00	1.53	0.85	NO	
L0000913	0	0.31580E-07	497152.9	3606560.1	48.6	0.00	1.53	0.85	NO	
L0000914	0	0.31580E-07	497156.2	3606560.1	48.5	0.00	1.53	0.85	NO	
L0000915	0	0.31580E-07	497159.5	3606560.1	48.4	0.00	1.53	0.85	NO	

L0000916	0	0.31580E-07	497162.8	3606560.1	48.3	0.00	1.53	0.85	NO
L0000917	0	0.31580E-07	497166.0	3606560.0	48.1	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000918	0	0.31580E-07	497169.3	3606560.0	48.0	0.00	1.53	0.85	NO	
L0000919	0	0.31580E-07	497172.6	3606560.0	48.0	0.00	1.53	0.85	NO	
L0000920	0	0.31580E-07	497175.9	3606560.0	48.0	0.00	1.53	0.85	NO	
L0000921	0	0.31580E-07	497179.2	3606560.0	48.1	0.00	1.53	0.85	NO	
L0000922	0	0.31580E-07	497182.4	3606559.9	48.1	0.00	1.53	0.85	NO	
L0000923	0	0.31580E-07	497185.7	3606559.9	48.2	0.00	1.53	0.85	NO	
L0000924	0	0.31580E-07	497189.0	3606559.9	48.2	0.00	1.53	0.85	NO	
L0000925	0	0.31580E-07	497192.3	3606559.9	48.2	0.00	1.53	0.85	NO	
L0000926	0	0.31580E-07	497195.6	3606559.9	48.3	0.00	1.53	0.85	NO	
L0000927	0	0.31580E-07	497198.8	3606559.9	48.3	0.00	1.53	0.85	NO	
L0000928	0	0.31580E-07	497202.1	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000929	0	0.31580E-07	497205.4	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000930	0	0.31580E-07	497208.7	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000931	0	0.31580E-07	497212.0	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000932	0	0.31580E-07	497215.2	3606559.8	48.4	0.00	1.53	0.85	NO	
L0000933	0	0.31580E-07	497218.5	3606559.7	48.4	0.00	1.53	0.85	NO	
L0000934	0	0.31580E-07	497221.8	3606559.7	48.5	0.00	1.53	0.85	NO	
L0000935	0	0.31580E-07	497225.1	3606559.7	48.5	0.00	1.53	0.85	NO	
L0000936	0	0.31580E-07	497228.4	3606559.7	48.5	0.00	1.53	0.85	NO	
L0000937	0	0.31580E-07	497231.6	3606559.7	48.4	0.00	1.53	0.85	NO	
L0000938	0	0.31580E-07	497234.9	3606559.6	48.4	0.00	1.53	0.85	NO	
L0000939	0	0.31580E-07	497238.2	3606559.6	48.4	0.00	1.53	0.85	NO	
L0000940	0	0.31580E-07	497241.5	3606559.6	48.4	0.00	1.53	0.85	NO	
L0000941	0	0.31580E-07	497244.8	3606559.6	48.3	0.00	1.53	0.85	NO	
L0000942	0	0.31580E-07	497248.0	3606559.6	48.3	0.00	1.53	0.85	NO	
L0000943	0	0.31890E-07	497250.0	3606557.6	48.2	0.00	1.53	0.85	NO	
L0000944	0	0.31890E-07	497250.0	3606554.3	48.1	0.00	1.53	0.85	NO	
L0000945	0	0.31890E-07	497250.0	3606551.0	48.0	0.00	1.53	0.85	NO	
L0000946	0	0.31890E-07	497250.1	3606547.8	47.9	0.00	1.53	0.85	NO	
L0000947	0	0.31890E-07	497250.1	3606544.5	47.8	0.00	1.53	0.85	NO	
L0000948	0	0.31890E-07	497250.1	3606541.2	47.7	0.00	1.53	0.85	NO	
L0000949	0	0.31890E-07	497250.1	3606537.9	47.6	0.00	1.53	0.85	NO	
L0000950	0	0.31890E-07	497250.2	3606534.6	47.5	0.00	1.53	0.85	NO	
L0000951	0	0.31890E-07	497250.2	3606531.4	47.4	0.00	1.53	0.85	NO	
L0000952	0	0.31890E-07	497250.2	3606528.1	47.3	0.00	1.53	0.85	NO	
L0000953	0	0.31890E-07	497250.2	3606524.8	47.1	0.00	1.53	0.85	NO	
L0000954	0	0.31890E-07	497250.2	3606521.5	47.0	0.00	1.53	0.85	NO	
L0000955	0	0.31890E-07	497250.3	3606518.2	46.9	0.00	1.53	0.85	NO	

L0000956	0	0.31890E-07	497250.3	3606515.0	46.8	0.00	1.53	0.85	NO
L0000957	0	0.31890E-07	497250.3	3606511.7	46.6	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0000958	0	0.31890E-07	497250.3	3606508.4	46.5	0.00	1.53	0.85	NO	
L0000959	0	0.31890E-07	497250.4	3606505.1	46.4	0.00	1.53	0.85	NO	
L0000960	0	0.31890E-07	497250.4	3606501.8	46.3	0.00	1.53	0.85	NO	
L0000961	0	0.31890E-07	497250.4	3606498.6	46.1	0.00	1.53	0.85	NO	
L0000962	0	0.31890E-07	497250.4	3606495.3	46.0	0.00	1.53	0.85	NO	
L0000963	0	0.31890E-07	497250.5	3606492.0	45.8	0.00	1.53	0.85	NO	
L0000964	0	0.31890E-07	497250.5	3606488.7	45.7	0.00	1.53	0.85	NO	
L0000965	0	0.31890E-07	497250.5	3606485.4	45.5	0.00	1.53	0.85	NO	
L0000966	0	0.31890E-07	497250.5	3606482.2	45.4	0.00	1.53	0.85	NO	
L0000967	0	0.31890E-07	497250.5	3606478.9	45.2	0.00	1.53	0.85	NO	
L0000968	0	0.31890E-07	497250.6	3606475.6	45.1	0.00	1.53	0.85	NO	
L0000969	0	0.31890E-07	497250.6	3606472.3	44.9	0.00	1.53	0.85	NO	
L0000970	0	0.31890E-07	497250.6	3606469.0	44.8	0.00	1.53	0.85	NO	
L0000971	0	0.31890E-07	497250.6	3606465.8	44.6	0.00	1.53	0.85	NO	
L0000972	0	0.31890E-07	497250.7	3606462.5	44.4	0.00	1.53	0.85	NO	
L0000973	0	0.31890E-07	497250.7	3606459.2	44.2	0.00	1.53	0.85	NO	
L0000974	0	0.31890E-07	497250.7	3606455.9	44.1	0.00	1.53	0.85	NO	
L0000975	0	0.31890E-07	497250.7	3606452.6	43.9	0.00	1.53	0.85	NO	
L0000976	0	0.31890E-07	497250.8	3606449.4	43.7	0.00	1.53	0.85	NO	
L0000977	0	0.31890E-07	497250.8	3606446.1	43.5	0.00	1.53	0.85	NO	
L0000978	0	0.31890E-07	497250.8	3606442.8	43.4	0.00	1.53	0.85	NO	
L0000979	0	0.31890E-07	497250.8	3606439.5	43.2	0.00	1.53	0.85	NO	
L0000980	0	0.31890E-07	497250.8	3606436.2	43.0	0.00	1.53	0.85	NO	
L0000981	0	0.31890E-07	497250.9	3606433.0	42.9	0.00	1.53	0.85	NO	
L0000982	0	0.31890E-07	497250.9	3606429.7	42.8	0.00	1.53	0.85	NO	
L0000983	0	0.31890E-07	497250.9	3606426.4	42.6	0.00	1.53	0.85	NO	
L0000984	0	0.31890E-07	497250.9	3606423.1	42.5	0.00	1.53	0.85	NO	
L0000985	0	0.31890E-07	497251.0	3606419.8	42.3	0.00	1.53	0.85	NO	
L0000986	0	0.31890E-07	497251.0	3606416.6	42.2	0.00	1.53	0.85	NO	
L0000987	0	0.31890E-07	497251.0	3606413.3	42.1	0.00	1.53	0.85	NO	
L0000988	0	0.31890E-07	497251.0	3606410.0	41.9	0.00	1.53	0.85	NO	
L0000989	0	0.31890E-07	497251.1	3606406.7	41.8	0.00	1.53	0.85	NO	
L0000990	0	0.31890E-07	497251.1	3606403.4	41.8	0.00	1.53	0.85	NO	
L0000991	0	0.31890E-07	497251.1	3606400.2	41.8	0.00	1.53	0.85	NO	
L0000992	0	0.31890E-07	497251.1	3606396.9	41.9	0.00	1.53	0.85	NO	
L0000993	0	0.31890E-07	497251.1	3606393.6	41.9	0.00	1.53	0.85	NO	
L0000994	0	0.31890E-07	497251.2	3606390.3	41.9	0.00	1.53	0.85	NO	
L0000995	0	0.31890E-07	497251.2	3606387.0	42.0	0.00	1.53	0.85	NO	

L0001551	0	0.31830E-07	497248.9	3606383.9	42.0	0.00	1.53	0.85	NO
L0001552	0	0.31830E-07	497245.6	3606383.9	42.0	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001553	0	0.31830E-07	497242.3	3606384.0	42.1	0.00	1.53	0.85	NO	
L0001554	0	0.31830E-07	497239.1	3606384.0	42.1	0.00	1.53	0.85	NO	
L0001555	0	0.31830E-07	497235.8	3606384.0	42.1	0.00	1.53	0.85	NO	
L0001556	0	0.31830E-07	497232.5	3606384.1	42.2	0.00	1.53	0.85	NO	
L0001557	0	0.31830E-07	497229.2	3606384.1	42.2	0.00	1.53	0.85	NO	
L0001558	0	0.31830E-07	497226.0	3606384.1	42.3	0.00	1.53	0.85	NO	
L0001559	0	0.31830E-07	497222.7	3606384.2	42.3	0.00	1.53	0.85	NO	
L0001560	0	0.31830E-07	497219.4	3606384.2	42.3	0.00	1.53	0.85	NO	
L0001561	0	0.31830E-07	497216.1	3606384.3	42.3	0.00	1.53	0.85	NO	
L0001562	0	0.31830E-07	497212.8	3606384.3	42.3	0.00	1.53	0.85	NO	
L0001563	0	0.31830E-07	497209.6	3606384.3	42.2	0.00	1.53	0.85	NO	
L0001564	0	0.31830E-07	497206.3	3606384.4	42.2	0.00	1.53	0.85	NO	
L0001565	0	0.31830E-07	497203.0	3606384.4	42.2	0.00	1.53	0.85	NO	
L0001566	0	0.31830E-07	497199.7	3606384.4	42.2	0.00	1.53	0.85	NO	
L0001567	0	0.31830E-07	497196.4	3606384.5	42.2	0.00	1.53	0.85	NO	
L0001568	0	0.31830E-07	497193.2	3606384.5	42.2	0.00	1.53	0.85	NO	
L0001569	0	0.31830E-07	497189.9	3606384.5	42.2	0.00	1.53	0.85	NO	
L0001570	0	0.31830E-07	497186.6	3606384.6	42.2	0.00	1.53	0.85	NO	
L0001571	0	0.31830E-07	497183.3	3606384.6	42.2	0.00	1.53	0.85	NO	
L0001572	0	0.31830E-07	497180.0	3606384.7	42.2	0.00	1.53	0.85	NO	
L0001573	0	0.31830E-07	497176.8	3606384.7	42.2	0.00	1.53	0.85	NO	
L0001574	0	0.31830E-07	497173.5	3606384.7	42.2	0.00	1.53	0.85	NO	
L0001575	0	0.31830E-07	497170.2	3606384.8	42.2	0.00	1.53	0.85	NO	
L0001576	0	0.31830E-07	497166.9	3606384.8	42.2	0.00	1.53	0.85	NO	
L0001577	0	0.31830E-07	497163.6	3606384.8	42.2	0.00	1.53	0.85	NO	
L0001578	0	0.31830E-07	497160.4	3606384.9	42.2	0.00	1.53	0.85	NO	
L0001579	0	0.31830E-07	497157.1	3606384.9	42.2	0.00	1.53	0.85	NO	
L0001580	0	0.31830E-07	497153.8	3606384.9	42.2	0.00	1.53	0.85	NO	
L0001581	0	0.31830E-07	497150.5	3606385.0	42.2	0.00	1.53	0.85	NO	
L0001582	0	0.31830E-07	497147.2	3606385.0	42.2	0.00	1.53	0.85	NO	
L0001583	0	0.31830E-07	497144.0	3606385.1	42.2	0.00	1.53	0.85	NO	
L0001584	0	0.31830E-07	497140.7	3606385.1	42.1	0.00	1.53	0.85	NO	
L0001585	0	0.31830E-07	497137.4	3606385.1	42.0	0.00	1.53	0.85	NO	
L0001586	0	0.31830E-07	497134.1	3606385.2	41.8	0.00	1.53	0.85	NO	
L0001587	0	0.31830E-07	497130.8	3606385.2	41.7	0.00	1.53	0.85	NO	
L0001588	0	0.31830E-07	497127.6	3606385.2	41.6	0.00	1.53	0.85	NO	
L0001589	0	0.31830E-07	497124.3	3606385.3	41.5	0.00	1.53	0.85	NO	
L0001590	0	0.31830E-07	497121.0	3606385.3	41.4	0.00	1.53	0.85	NO	

L0001591	0	0.31830E-07	497117.7	3606385.3	41.3	0.00	1.53	0.85	NO
L0001592	0	0.31830E-07	497114.4	3606385.4	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001593	0	0.31830E-07	497111.2	3606385.4	41.4	0.00	1.53	0.85	NO	
L0001594	0	0.31830E-07	497107.9	3606385.4	41.4	0.00	1.53	0.85	NO	
L0001595	0	0.31830E-07	497104.6	3606385.5	41.4	0.00	1.53	0.85	NO	
L0001596	0	0.31830E-07	497101.3	3606385.5	41.4	0.00	1.53	0.85	NO	
L0001597	0	0.31830E-07	497098.0	3606385.6	41.5	0.00	1.53	0.85	NO	
L0001598	0	0.31830E-07	497094.8	3606385.6	41.5	0.00	1.53	0.85	NO	
L0001599	0	0.31830E-07	497091.5	3606385.6	41.4	0.00	1.53	0.85	NO	
L0001600	0	0.31830E-07	497088.2	3606385.7	41.2	0.00	1.53	0.85	NO	
L0001601	0	0.31830E-07	497084.9	3606385.7	41.1	0.00	1.53	0.85	NO	
L0001602	0	0.31830E-07	497081.6	3606385.7	40.9	0.00	1.53	0.85	NO	
L0001603	0	0.31830E-07	497078.4	3606385.8	40.8	0.00	1.53	0.85	NO	
L0001604	0	0.31830E-07	497075.1	3606385.8	40.6	0.00	1.53	0.85	NO	
L0001605	0	0.31830E-07	497071.8	3606385.8	40.5	0.00	1.53	0.85	NO	
L0001606	0	0.31830E-07	497068.5	3606385.9	40.3	0.00	1.53	0.85	NO	
L0001607	0	0.31830E-07	497065.2	3606385.9	40.3	0.00	1.53	0.85	NO	
L0001608	0	0.31830E-07	497062.0	3606386.0	40.4	0.00	1.53	0.85	NO	
L0001609	0	0.31830E-07	497058.7	3606386.0	40.5	0.00	1.53	0.85	NO	
L0001610	0	0.31830E-07	497055.4	3606386.0	40.5	0.00	1.53	0.85	NO	
L0001611	0	0.31830E-07	497052.1	3606386.1	40.6	0.00	1.53	0.85	NO	
L0001612	0	0.31830E-07	497048.8	3606386.1	40.7	0.00	1.53	0.85	NO	
L0001613	0	0.31830E-07	497045.6	3606386.1	40.7	0.00	1.53	0.85	NO	
L0001614	0	0.31830E-07	497042.3	3606386.2	40.8	0.00	1.53	0.85	NO	
L0001615	0	0.31830E-07	497039.0	3606386.2	40.8	0.00	1.53	0.85	NO	
L0001616	0	0.31830E-07	497035.7	3606386.2	40.8	0.00	1.53	0.85	NO	
L0001617	0	0.31830E-07	497032.4	3606386.3	40.8	0.00	1.53	0.85	NO	
L0001618	0	0.31830E-07	497029.2	3606386.3	40.8	0.00	1.53	0.85	NO	
L0001619	0	0.31830E-07	497025.9	3606386.4	40.8	0.00	1.53	0.85	NO	
L0001620	0	0.31830E-07	497022.6	3606386.4	40.8	0.00	1.53	0.85	NO	
L0001621	0	0.31830E-07	497019.3	3606386.4	40.8	0.00	1.53	0.85	NO	
L0001622	0	0.31830E-07	497016.0	3606386.5	40.8	0.00	1.53	0.85	NO	
L0001623	0	0.31830E-07	497012.8	3606386.5	40.8	0.00	1.53	0.85	NO	
L0001624	0	0.31830E-07	497009.5	3606386.5	40.8	0.00	1.53	0.85	NO	
L0001625	0	0.31830E-07	497006.2	3606386.6	40.8	0.00	1.53	0.85	NO	
L0001626	0	0.31830E-07	497002.9	3606386.6	40.8	0.00	1.53	0.85	NO	
L0001627	0	0.31830E-07	496999.6	3606386.6	40.7	0.00	1.53	0.85	NO	
L0001628	0	0.31830E-07	496996.4	3606386.7	40.7	0.00	1.53	0.85	NO	
L0001629	0	0.31830E-07	496993.1	3606386.7	40.7	0.00	1.53	0.85	NO	
L0001630	0	0.31830E-07	496989.8	3606386.7	40.7	0.00	1.53	0.85	NO	

L0001631	0	0.31830E-07	496986.5	3606386.8	40.7	0.00	1.53	0.85	NO
L0001632	0	0.31830E-07	496983.2	3606386.8	40.6	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001633	0	0.31830E-07	496980.0	3606386.9	40.6	0.00	1.53	0.85	NO	
L0001634	0	0.31830E-07	496976.7	3606386.9	40.6	0.00	1.53	0.85	NO	
L0001635	0	0.31830E-07	496973.4	3606386.9	40.6	0.00	1.53	0.85	NO	
L0001636	0	0.31830E-07	496970.1	3606387.0	40.5	0.00	1.53	0.85	NO	
L0001637	0	0.31830E-07	496966.8	3606387.0	40.5	0.00	1.53	0.85	NO	
L0001638	0	0.31830E-07	496963.6	3606387.0	40.5	0.00	1.53	0.85	NO	
L0001639	0	0.31830E-07	496960.3	3606387.1	40.4	0.00	1.53	0.85	NO	
L0001640	0	0.31830E-07	496957.0	3606387.1	40.4	0.00	1.53	0.85	NO	
L0001641	0	0.31830E-07	496953.7	3606387.1	40.4	0.00	1.53	0.85	NO	
L0001642	0	0.31830E-07	496950.4	3606387.2	40.4	0.00	1.53	0.85	NO	
L0001643	0	0.31830E-07	496947.2	3606387.2	40.4	0.00	1.53	0.85	NO	
L0001644	0	0.31830E-07	496943.9	3606387.3	40.3	0.00	1.53	0.85	NO	
L0001645	0	0.31830E-07	496940.6	3606387.3	40.3	0.00	1.53	0.85	NO	
L0001646	0	0.31830E-07	496937.3	3606387.3	40.3	0.00	1.53	0.85	NO	
L0001647	0	0.31830E-07	496934.0	3606387.4	40.4	0.00	1.53	0.85	NO	
L0001648	0	0.31830E-07	496930.8	3606387.4	40.6	0.00	1.53	0.85	NO	
L0001649	0	0.31830E-07	496927.5	3606387.4	40.7	0.00	1.53	0.85	NO	
L0001650	0	0.31830E-07	496924.2	3606387.5	40.8	0.00	1.53	0.85	NO	
L0001651	0	0.31830E-07	496920.9	3606387.5	41.0	0.00	1.53	0.85	NO	
L0001652	0	0.31830E-07	496917.6	3606387.5	41.1	0.00	1.53	0.85	NO	
L0001653	0	0.31830E-07	496914.4	3606387.6	41.3	0.00	1.53	0.85	NO	
L0001654	0	0.31830E-07	496911.1	3606387.6	41.4	0.00	1.53	0.85	NO	
L0001655	0	0.31830E-07	496907.8	3606387.7	41.5	0.00	1.53	0.85	NO	
L0001656	0	0.31830E-07	496904.5	3606387.7	41.5	0.00	1.53	0.85	NO	
L0001657	0	0.31830E-07	496901.3	3606387.7	41.6	0.00	1.53	0.85	NO	
L0001658	0	0.31830E-07	496898.0	3606387.8	41.6	0.00	1.53	0.85	NO	
L0001659	0	0.31830E-07	496894.7	3606387.8	41.7	0.00	1.53	0.85	NO	
L0001660	0	0.31830E-07	496891.4	3606387.8	41.8	0.00	1.53	0.85	NO	
L0001661	0	0.31830E-07	496888.1	3606387.9	41.8	0.00	1.53	0.85	NO	
L0001662	0	0.31830E-07	496884.9	3606387.9	41.9	0.00	1.53	0.85	NO	
L0001663	0	0.31830E-07	496881.6	3606387.9	41.9	0.00	1.53	0.85	NO	
L0001664	0	0.31830E-07	496878.3	3606388.0	41.9	0.00	1.53	0.85	NO	
L0001665	0	0.31830E-07	496875.0	3606388.0	42.0	0.00	1.53	0.85	NO	
L0001666	0	0.31830E-07	496871.7	3606388.0	42.0	0.00	1.53	0.85	NO	
L0001667	0	0.31830E-07	496868.5	3606388.1	42.1	0.00	1.53	0.85	NO	
L0001668	0	0.31830E-07	496865.2	3606388.1	42.1	0.00	1.53	0.85	NO	
L0001669	0	0.31830E-07	496861.9	3606388.2	42.2	0.00	1.53	0.85	NO	
L0001670	0	0.31830E-07	496858.6	3606388.2	42.2	0.00	1.53	0.85	NO	

L0001671	0	0.31830E-07	496855.3	3606388.2	42.3	0.00	1.53	0.85	NO
L0001672	0	0.31830E-07	496852.1	3606388.3	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001673	0	0.31830E-07	496848.8	3606388.3	42.3	0.00	1.53	0.85	NO	
L0001674	0	0.31830E-07	496845.5	3606388.3	42.4	0.00	1.53	0.85	NO	
L0001675	0	0.31830E-07	496842.2	3606388.4	42.4	0.00	1.53	0.85	NO	
L0001676	0	0.31830E-07	496838.9	3606388.4	42.5	0.00	1.53	0.85	NO	
L0001677	0	0.31830E-07	496835.7	3606388.4	42.5	0.00	1.53	0.85	NO	
L0001678	0	0.31830E-07	496832.4	3606388.5	42.6	0.00	1.53	0.85	NO	
L0001679	0	0.31830E-07	496829.1	3606388.5	42.6	0.00	1.53	0.85	NO	
L0001680	0	0.31830E-07	496825.8	3606388.6	42.6	0.00	1.53	0.85	NO	
L0001681	0	0.31830E-07	496822.5	3606388.6	42.7	0.00	1.53	0.85	NO	
L0001682	0	0.31830E-07	496819.3	3606388.6	42.7	0.00	1.53	0.85	NO	
L0001683	0	0.31830E-07	496816.0	3606388.7	42.8	0.00	1.53	0.85	NO	
L0001684	0	0.31830E-07	496812.7	3606388.7	42.8	0.00	1.53	0.85	NO	
L0001685	0	0.31830E-07	496809.4	3606388.7	42.9	0.00	1.53	0.85	NO	
L0001686	0	0.31830E-07	496806.1	3606388.8	42.9	0.00	1.53	0.85	NO	
L0001687	0	0.31830E-07	496802.9	3606388.8	42.9	0.00	1.53	0.85	NO	
L0001688	0	0.31830E-07	496799.6	3606388.8	43.0	0.00	1.53	0.85	NO	
L0001689	0	0.31830E-07	496796.3	3606388.9	43.0	0.00	1.53	0.85	NO	
L0001690	0	0.31830E-07	496793.0	3606388.9	43.0	0.00	1.53	0.85	NO	
L0001691	0	0.31830E-07	496789.7	3606389.0	43.1	0.00	1.53	0.85	NO	
L0001692	0	0.31830E-07	496786.5	3606389.0	43.1	0.00	1.53	0.85	NO	
L0001693	0	0.31830E-07	496783.2	3606389.0	43.1	0.00	1.53	0.85	NO	
L0001694	0	0.31830E-07	496779.9	3606389.1	43.1	0.00	1.53	0.85	NO	
L0001695	0	0.31830E-07	496776.6	3606389.1	43.1	0.00	1.53	0.85	NO	
L0001696	0	0.31830E-07	496773.3	3606389.1	43.0	0.00	1.53	0.85	NO	
L0001697	0	0.31830E-07	496770.1	3606389.2	42.9	0.00	1.53	0.85	NO	
L0001698	0	0.31830E-07	496766.8	3606389.2	42.8	0.00	1.53	0.85	NO	
L0001699	0	0.31830E-07	496763.5	3606389.2	42.8	0.00	1.53	0.85	NO	
L0001700	0	0.31830E-07	496760.2	3606389.3	42.7	0.00	1.53	0.85	NO	
L0001701	0	0.31830E-07	496756.9	3606389.3	42.6	0.00	1.53	0.85	NO	
L0001702	0	0.31830E-07	496753.7	3606389.3	42.6	0.00	1.53	0.85	NO	
L0001703	0	0.31830E-07	496750.4	3606389.4	42.5	0.00	1.53	0.85	NO	
L0001704	0	0.31830E-07	496747.1	3606389.4	42.4	0.00	1.53	0.85	NO	
L0001705	0	0.31830E-07	496743.8	3606389.5	42.3	0.00	1.53	0.85	NO	
L0001706	0	0.31830E-07	496740.5	3606389.5	42.3	0.00	1.53	0.85	NO	
L0001707	0	0.31830E-07	496737.3	3606389.5	42.2	0.00	1.53	0.85	NO	
L0001708	0	0.31830E-07	496734.0	3606389.6	42.1	0.00	1.53	0.85	NO	
L0001709	0	0.31830E-07	496730.7	3606389.6	42.0	0.00	1.53	0.85	NO	
L0001710	0	0.31830E-07	496727.4	3606389.6	41.9	0.00	1.53	0.85	NO	

L0001711	0	0.31830E-07	496724.1	3606389.7	41.8	0.00	1.53	0.85	NO
L0001712	0	0.31830E-07	496720.9	3606389.7	41.7	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001713	0	0.31830E-07	496717.6	3606389.7	41.6	0.00	1.53	0.85	NO	
L0001714	0	0.31830E-07	496714.3	3606389.8	41.4	0.00	1.53	0.85	NO	
L0001715	0	0.31830E-07	496711.0	3606389.8	41.3	0.00	1.53	0.85	NO	
L0001716	0	0.31830E-07	496707.7	3606389.9	41.2	0.00	1.53	0.85	NO	
L0001717	0	0.31830E-07	496704.5	3606389.9	41.0	0.00	1.53	0.85	NO	
L0001718	0	0.31830E-07	496701.2	3606389.9	40.9	0.00	1.53	0.85	NO	
L0001719	0	0.31830E-07	496697.9	3606390.0	40.7	0.00	1.53	0.85	NO	
L0001720	0	0.31830E-07	496694.6	3606390.0	40.6	0.00	1.53	0.85	NO	
L0001721	0	0.31830E-07	496691.3	3606390.0	40.4	0.00	1.53	0.85	NO	
L0001722	0	0.31830E-07	496688.1	3606390.1	40.3	0.00	1.53	0.85	NO	
L0001723	0	0.31830E-07	496684.8	3606390.1	40.1	0.00	1.53	0.85	NO	
L0001724	0	0.31830E-07	496681.5	3606390.1	39.9	0.00	1.53	0.85	NO	
L0001725	0	0.31830E-07	496678.2	3606390.2	39.8	0.00	1.53	0.85	NO	
L0001726	0	0.31830E-07	496674.9	3606390.2	39.7	0.00	1.53	0.85	NO	
L0001727	0	0.31830E-07	496671.7	3606390.3	39.6	0.00	1.53	0.85	NO	
L0001728	0	0.31830E-07	496668.4	3606390.3	39.5	0.00	1.53	0.85	NO	
L0001729	0	0.31830E-07	496665.1	3606390.3	39.4	0.00	1.53	0.85	NO	
L0001730	0	0.31830E-07	496661.8	3606390.4	39.4	0.00	1.53	0.85	NO	
L0001176	0	0.15900E-07	496660.7	3606394.4	39.3	0.00	1.53	0.85	NO	
L0001177	0	0.15900E-07	496660.4	3606397.6	39.3	0.00	1.53	0.85	NO	
L0001178	0	0.15900E-07	496660.1	3606400.9	39.3	0.00	1.53	0.85	NO	
L0001179	0	0.15900E-07	496659.8	3606404.2	39.3	0.00	1.53	0.85	NO	
L0001180	0	0.15900E-07	496659.5	3606407.4	39.3	0.00	1.53	0.85	NO	
L0001181	0	0.15900E-07	496659.2	3606410.7	39.5	0.00	1.53	0.85	NO	
L0001182	0	0.15900E-07	496659.0	3606414.0	39.7	0.00	1.53	0.85	NO	
L0001183	0	0.15900E-07	496658.7	3606417.2	39.8	0.00	1.53	0.85	NO	
L0001184	0	0.15900E-07	496658.4	3606420.5	40.0	0.00	1.53	0.85	NO	
L0001185	0	0.15900E-07	496658.1	3606423.8	40.1	0.00	1.53	0.85	NO	
L0001186	0	0.15900E-07	496657.8	3606427.0	40.2	0.00	1.53	0.85	NO	
L0001187	0	0.15900E-07	496657.5	3606430.3	40.3	0.00	1.53	0.85	NO	
L0001188	0	0.15900E-07	496657.2	3606433.6	40.4	0.00	1.53	0.85	NO	
L0001189	0	0.15900E-07	496657.0	3606436.8	40.5	0.00	1.53	0.85	NO	
L0001190	0	0.15900E-07	496656.7	3606440.1	40.7	0.00	1.53	0.85	NO	
L0001191	0	0.15900E-07	496656.4	3606443.4	40.8	0.00	1.53	0.85	NO	
L0001192	0	0.15900E-07	496656.1	3606446.7	40.9	0.00	1.53	0.85	NO	
L0001193	0	0.15900E-07	496655.8	3606449.9	41.0	0.00	1.53	0.85	NO	
L0001194	0	0.15900E-07	496655.5	3606453.2	41.1	0.00	1.53	0.85	NO	
L0001195	0	0.15900E-07	496655.2	3606456.4	41.2	0.00	1.53	0.85	NO	

L0001196	0	0.15900E-07	496654.9	3606459.7	41.3	0.00	1.53	0.85	NO
L0001197	0	0.15900E-07	496654.6	3606463.0	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001198	0	0.15900E-07	496654.3	3606466.2	41.5	0.00	1.53	0.85	NO	
L0001199	0	0.15900E-07	496654.0	3606469.5	41.6	0.00	1.53	0.85	NO	
L0001200	0	0.15900E-07	496653.7	3606472.8	41.7	0.00	1.53	0.85	NO	
L0001201	0	0.15900E-07	496653.4	3606476.0	41.8	0.00	1.53	0.85	NO	
L0001202	0	0.15900E-07	496653.1	3606479.3	41.9	0.00	1.53	0.85	NO	
L0001203	0	0.15900E-07	496652.8	3606482.6	42.0	0.00	1.53	0.85	NO	
L0001204	0	0.15900E-07	496652.5	3606485.8	42.0	0.00	1.53	0.85	NO	
L0001205	0	0.15900E-07	496652.2	3606489.1	42.1	0.00	1.53	0.85	NO	
L0001206	0	0.15900E-07	496651.9	3606492.4	42.2	0.00	1.53	0.85	NO	
L0001207	0	0.15900E-07	496651.6	3606495.6	42.3	0.00	1.53	0.85	NO	
L0001208	0	0.15900E-07	496651.3	3606498.9	42.4	0.00	1.53	0.85	NO	
L0001209	0	0.15900E-07	496651.0	3606502.2	42.6	0.00	1.53	0.85	NO	
L0001210	0	0.15900E-07	496650.6	3606505.4	42.8	0.00	1.53	0.85	NO	
L0001211	0	0.15900E-07	496650.3	3606508.7	43.0	0.00	1.53	0.85	NO	
L0001212	0	0.15900E-07	496650.0	3606512.0	43.4	0.00	1.53	0.85	NO	
L0001213	0	0.15900E-07	496649.7	3606515.2	43.8	0.00	1.53	0.85	NO	
L0001214	0	0.15900E-07	496649.4	3606518.5	44.1	0.00	1.53	0.85	NO	
L0001215	0	0.15900E-07	496649.1	3606521.8	44.4	0.00	1.53	0.85	NO	
L0001216	0	0.15900E-07	496648.8	3606525.0	44.8	0.00	1.53	0.85	NO	
L0001217	0	0.15900E-07	496648.5	3606528.3	45.1	0.00	1.53	0.85	NO	
L0001218	0	0.15900E-07	496648.2	3606531.6	45.4	0.00	1.53	0.85	NO	
L0001219	0	0.15900E-07	496647.9	3606534.8	45.6	0.00	1.53	0.85	NO	
L0001220	0	0.15900E-07	496647.6	3606538.1	45.9	0.00	1.53	0.85	NO	
L0001221	0	0.15900E-07	496647.3	3606541.4	46.1	0.00	1.53	0.85	NO	
L0001222	0	0.15900E-07	496647.0	3606544.6	46.4	0.00	1.53	0.85	NO	
L0001223	0	0.15900E-07	496646.7	3606547.9	46.6	0.00	1.53	0.85	NO	
L0001224	0	0.15900E-07	496646.4	3606551.2	46.8	0.00	1.53	0.85	NO	
L0001225	0	0.15900E-07	496646.1	3606554.4	47.1	0.00	1.53	0.85	NO	
L0001226	0	0.15900E-07	496645.8	3606557.7	47.3	0.00	1.53	0.85	NO	
L0001227	0	0.15900E-07	496645.5	3606561.0	47.6	0.00	1.53	0.85	NO	
L0001228	0	0.15900E-07	496645.2	3606564.2	48.0	0.00	1.53	0.85	NO	
L0001229	0	0.15900E-07	496644.9	3606567.5	48.3	0.00	1.53	0.85	NO	
L0001230	0	0.15900E-07	496644.6	3606570.8	48.7	0.00	1.53	0.85	NO	
L0001231	0	0.15900E-07	496644.3	3606574.0	49.1	0.00	1.53	0.85	NO	
L0001232	0	0.15900E-07	496644.0	3606577.3	49.5	0.00	1.53	0.85	NO	
L0001233	0	0.15900E-07	496643.7	3606580.6	49.8	0.00	1.53	0.85	NO	
L0001234	0	0.15900E-07	496643.4	3606583.8	50.2	0.00	1.53	0.85	NO	
L0001235	0	0.15900E-07	496643.1	3606587.1	50.5	0.00	1.53	0.85	NO	

L0001236	0	0.15900E-07	496642.8	3606590.4	50.8	0.00	1.53	0.85	NO
L0001237	0	0.15900E-07	496642.5	3606593.6	51.2	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001238	0	0.15900E-07	496642.2	3606596.9	51.5	0.00	1.53	0.85	NO	
L0001239	0	0.15900E-07	496641.9	3606600.2	51.9	0.00	1.53	0.85	NO	
L0001240	0	0.15900E-07	496641.5	3606603.4	52.2	0.00	1.53	0.85	NO	
L0001241	0	0.15900E-07	496641.2	3606606.7	52.6	0.00	1.53	0.85	NO	
L0001242	0	0.15900E-07	496640.9	3606609.9	52.9	0.00	1.53	0.85	NO	
L0001243	0	0.15900E-07	496640.6	3606613.2	53.2	0.00	1.53	0.85	NO	
L0001244	0	0.15900E-07	496640.3	3606616.5	53.5	0.00	1.53	0.85	NO	
L0001245	0	0.15900E-07	496640.0	3606619.7	53.8	0.00	1.53	0.85	NO	
L0001246	0	0.15900E-07	496639.7	3606623.0	54.0	0.00	1.53	0.85	NO	
L0001247	0	0.15900E-07	496639.4	3606626.3	54.3	0.00	1.53	0.85	NO	
L0001248	0	0.15900E-07	496639.1	3606629.5	54.5	0.00	1.53	0.85	NO	
L0001249	0	0.15900E-07	496638.8	3606632.8	54.7	0.00	1.53	0.85	NO	
L0001250	0	0.15900E-07	496638.5	3606636.1	54.9	0.00	1.53	0.85	NO	
L0001251	0	0.15900E-07	496638.2	3606639.3	55.1	0.00	1.53	0.85	NO	
L0001252	0	0.15900E-07	496637.9	3606642.6	55.3	0.00	1.53	0.85	NO	
L0001253	0	0.15900E-07	496637.6	3606645.9	55.5	0.00	1.53	0.85	NO	
L0001254	0	0.15900E-07	496637.3	3606649.1	55.7	0.00	1.53	0.85	NO	
L0001255	0	0.15900E-07	496637.0	3606652.4	55.9	0.00	1.53	0.85	NO	
L0001256	0	0.15900E-07	496636.7	3606655.7	56.0	0.00	1.53	0.85	NO	
L0001257	0	0.15900E-07	496636.4	3606658.9	56.1	0.00	1.53	0.85	NO	
L0001258	0	0.15900E-07	496636.1	3606662.2	56.3	0.00	1.53	0.85	NO	
L0001259	0	0.15950E-07	496655.9	3606389.7	39.2	0.00	1.53	0.85	NO	
L0001260	0	0.15950E-07	496652.6	3606389.6	39.2	0.00	1.53	0.85	NO	
L0001261	0	0.15950E-07	496649.3	3606389.5	39.2	0.00	1.53	0.85	NO	
L0001262	0	0.15950E-07	496646.1	3606389.4	39.5	0.00	1.53	0.85	NO	
L0001263	0	0.15950E-07	496642.8	3606389.3	39.8	0.00	1.53	0.85	NO	
L0001264	0	0.15950E-07	496639.5	3606389.1	40.1	0.00	1.53	0.85	NO	
L0001265	0	0.15950E-07	496636.2	3606389.0	40.5	0.00	1.53	0.85	NO	
L0001266	0	0.15950E-07	496633.0	3606388.9	40.8	0.00	1.53	0.85	NO	
L0001267	0	0.15950E-07	496629.7	3606388.8	41.0	0.00	1.53	0.85	NO	
L0001268	0	0.15950E-07	496626.4	3606388.7	41.3	0.00	1.53	0.85	NO	
L0001269	0	0.15950E-07	496623.1	3606388.5	41.5	0.00	1.53	0.85	NO	
L0001270	0	0.15950E-07	496619.8	3606388.4	41.7	0.00	1.53	0.85	NO	
L0001271	0	0.15950E-07	496616.6	3606388.3	41.8	0.00	1.53	0.85	NO	
L0001272	0	0.15950E-07	496613.3	3606388.2	41.9	0.00	1.53	0.85	NO	
L0001273	0	0.15950E-07	496610.0	3606388.1	42.0	0.00	1.53	0.85	NO	
L0001274	0	0.15950E-07	496606.7	3606387.9	42.1	0.00	1.53	0.85	NO	
L0001275	0	0.15950E-07	496603.5	3606387.8	42.2	0.00	1.53	0.85	NO	

L0001276	0	0.15950E-07	496600.2	3606387.7	42.3	0.00	1.53	0.85	NO
L0001277	0	0.15950E-07	496596.9	3606387.6	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001278	0	0.15950E-07	496593.6	3606387.5	42.3	0.00	1.53	0.85	NO	
L0001279	0	0.15950E-07	496590.3	3606387.4	42.2	0.00	1.53	0.85	NO	
L0001280	0	0.15950E-07	496587.1	3606387.2	42.2	0.00	1.53	0.85	NO	
L0001281	0	0.15950E-07	496583.8	3606387.1	42.1	0.00	1.53	0.85	NO	
L0001282	0	0.15950E-07	496580.5	3606387.0	42.1	0.00	1.53	0.85	NO	
L0001283	0	0.15950E-07	496577.2	3606386.9	42.0	0.00	1.53	0.85	NO	
L0001284	0	0.15950E-07	496574.0	3606386.8	42.0	0.00	1.53	0.85	NO	
L0001285	0	0.15950E-07	496570.7	3606386.6	41.8	0.00	1.53	0.85	NO	
L0001286	0	0.15950E-07	496567.4	3606386.5	41.4	0.00	1.53	0.85	NO	
L0001287	0	0.15950E-07	496564.1	3606386.4	41.0	0.00	1.53	0.85	NO	
L0001288	0	0.15950E-07	496560.8	3606386.3	40.7	0.00	1.53	0.85	NO	
L0001289	0	0.15950E-07	496557.6	3606386.2	40.3	0.00	1.53	0.85	NO	
L0001290	0	0.15950E-07	496554.3	3606386.1	39.9	0.00	1.53	0.85	NO	
L0001291	0	0.15950E-07	496551.0	3606385.9	39.6	0.00	1.53	0.85	NO	
L0001292	0	0.15950E-07	496547.7	3606385.8	39.3	0.00	1.53	0.85	NO	
L0001293	0	0.15950E-07	496544.5	3606385.7	39.1	0.00	1.53	0.85	NO	
L0001294	0	0.15950E-07	496541.2	3606385.6	39.3	0.00	1.53	0.85	NO	
L0001295	0	0.15950E-07	496537.9	3606385.5	39.4	0.00	1.53	0.85	NO	
L0001296	0	0.16000E-07	496537.3	3606381.2	39.3	0.00	1.53	0.85	NO	
L0001297	0	0.16000E-07	496537.7	3606377.9	39.2	0.00	1.53	0.85	NO	
L0001298	0	0.16000E-07	496538.1	3606374.7	39.2	0.00	1.53	0.85	NO	
L0001299	0	0.16000E-07	496538.5	3606371.4	39.1	0.00	1.53	0.85	NO	
L0001300	0	0.16000E-07	496538.9	3606368.2	39.0	0.00	1.53	0.85	NO	
L0001301	0	0.16000E-07	496539.3	3606364.9	38.9	0.00	1.53	0.85	NO	
L0001302	0	0.16000E-07	496539.7	3606361.6	38.8	0.00	1.53	0.85	NO	
L0001303	0	0.16000E-07	496540.1	3606358.4	38.8	0.00	1.53	0.85	NO	
L0001304	0	0.16000E-07	496540.5	3606355.1	38.7	0.00	1.53	0.85	NO	
L0001305	0	0.16000E-07	496540.9	3606351.9	38.6	0.00	1.53	0.85	NO	
L0001306	0	0.16000E-07	496541.3	3606348.6	38.5	0.00	1.53	0.85	NO	
L0001307	0	0.16000E-07	496541.7	3606345.4	38.5	0.00	1.53	0.85	NO	
L0001308	0	0.16000E-07	496542.1	3606342.1	38.5	0.00	1.53	0.85	NO	
L0001309	0	0.16000E-07	496542.5	3606338.9	38.5	0.00	1.53	0.85	NO	
L0001310	0	0.16000E-07	496542.9	3606335.6	38.5	0.00	1.53	0.85	NO	
L0001311	0	0.16000E-07	496543.3	3606332.4	38.5	0.00	1.53	0.85	NO	
L0001312	0	0.16000E-07	496543.7	3606329.1	38.5	0.00	1.53	0.85	NO	
L0001313	0	0.16000E-07	496544.1	3606325.8	38.5	0.00	1.53	0.85	NO	
L0001314	0	0.16000E-07	496544.5	3606322.6	38.6	0.00	1.53	0.85	NO	
L0001315	0	0.16000E-07	496544.9	3606319.3	38.6	0.00	1.53	0.85	NO	

L0001316	0	0.16000E-07	496545.3	3606316.1	38.6	0.00	1.53	0.85	NO
L0001317	0	0.16000E-07	496545.7	3606312.8	38.7	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001318	0	0.16000E-07	496546.1	3606309.6	38.8	0.00	1.53	0.85	NO	
L0001319	0	0.16000E-07	496546.5	3606306.3	38.9	0.00	1.53	0.85	NO	
L0001320	0	0.16000E-07	496546.9	3606303.1	39.0	0.00	1.53	0.85	NO	
L0001321	0	0.16000E-07	496547.3	3606299.8	39.2	0.00	1.53	0.85	NO	
L0001322	0	0.16000E-07	496547.7	3606296.5	39.3	0.00	1.53	0.85	NO	
L0001323	0	0.16000E-07	496548.1	3606293.3	39.4	0.00	1.53	0.85	NO	
L0001324	0	0.16000E-07	496548.5	3606290.0	39.5	0.00	1.53	0.85	NO	
L0001325	0	0.16000E-07	496548.9	3606286.8	39.6	0.00	1.53	0.85	NO	
L0001326	0	0.16000E-07	496549.3	3606283.5	39.8	0.00	1.53	0.85	NO	
L0001327	0	0.16000E-07	496549.7	3606280.3	39.9	0.00	1.53	0.85	NO	
L0001328	0	0.16000E-07	496550.1	3606277.0	40.0	0.00	1.53	0.85	NO	
L0001329	0	0.16000E-07	496550.5	3606273.8	40.1	0.00	1.53	0.85	NO	
L0001330	0	0.16000E-07	496550.9	3606270.5	40.2	0.00	1.53	0.85	NO	
L0001331	0	0.16000E-07	496551.3	3606267.2	40.3	0.00	1.53	0.85	NO	
L0001332	0	0.16000E-07	496551.7	3606264.0	40.4	0.00	1.53	0.85	NO	
L0001333	0	0.16000E-07	496552.1	3606260.7	40.5	0.00	1.53	0.85	NO	
L0001334	0	0.16000E-07	496552.5	3606257.5	40.6	0.00	1.53	0.85	NO	
L0001335	0	0.16000E-07	496552.9	3606254.2	40.6	0.00	1.53	0.85	NO	
L0001336	0	0.16000E-07	496553.3	3606251.0	40.7	0.00	1.53	0.85	NO	
L0001337	0	0.16000E-07	496553.7	3606247.7	40.6	0.00	1.53	0.85	NO	
L0001338	0	0.16000E-07	496554.1	3606244.5	40.5	0.00	1.53	0.85	NO	
L0001339	0	0.16000E-07	496554.5	3606241.2	40.4	0.00	1.53	0.85	NO	
L0001340	0	0.16000E-07	496554.9	3606237.9	40.3	0.00	1.53	0.85	NO	
L0001341	0	0.16000E-07	496555.3	3606234.7	40.3	0.00	1.53	0.85	NO	
L0001342	0	0.16000E-07	496555.7	3606231.4	40.2	0.00	1.53	0.85	NO	
L0001343	0	0.16000E-07	496556.1	3606228.2	40.1	0.00	1.53	0.85	NO	
L0001344	0	0.16000E-07	496556.5	3606224.9	40.0	0.00	1.53	0.85	NO	
L0001345	0	0.16000E-07	496556.9	3606221.7	40.0	0.00	1.53	0.85	NO	
L0001346	0	0.16000E-07	496557.3	3606218.4	39.9	0.00	1.53	0.85	NO	
L0001347	0	0.16000E-07	496557.7	3606215.2	39.8	0.00	1.53	0.85	NO	
L0001348	0	0.16000E-07	496558.1	3606211.9	39.8	0.00	1.53	0.85	NO	
L0001349	0	0.16000E-07	496558.5	3606208.6	39.7	0.00	1.53	0.85	NO	
L0001350	0	0.16000E-07	496558.9	3606205.4	39.6	0.00	1.53	0.85	NO	
L0001351	0	0.16000E-07	496559.3	3606202.1	39.5	0.00	1.53	0.85	NO	
L0001352	0	0.16000E-07	496559.7	3606198.9	39.5	0.00	1.53	0.85	NO	
L0001353	0	0.16000E-07	496560.1	3606195.6	39.4	0.00	1.53	0.85	NO	
L0001354	0	0.16000E-07	496560.5	3606192.4	39.4	0.00	1.53	0.85	NO	
L0001355	0	0.16000E-07	496560.9	3606189.1	39.3	0.00	1.53	0.85	NO	

L0001356	0	0.16000E-07	496561.3	3606185.9	39.3	0.00	1.53	0.85	NO
L0001357	0	0.16000E-07	496561.7	3606182.6	39.2	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001358	0	0.16000E-07	496562.1	3606179.3	39.2	0.00	1.53	0.85	NO	
L0001359	0	0.16000E-07	496562.5	3606176.1	39.1	0.00	1.53	0.85	NO	
L0001360	0	0.16000E-07	496562.9	3606172.8	39.1	0.00	1.53	0.85	NO	
L0001361	0	0.16000E-07	496563.3	3606169.6	39.0	0.00	1.53	0.85	NO	
L0001362	0	0.16000E-07	496563.7	3606166.3	39.0	0.00	1.53	0.85	NO	
L0001363	0	0.16000E-07	496564.1	3606163.1	39.0	0.00	1.53	0.85	NO	
L0001364	0	0.16000E-07	496564.5	3606159.8	39.0	0.00	1.53	0.85	NO	
L0001365	0	0.16000E-07	496564.9	3606156.6	39.0	0.00	1.53	0.85	NO	
L0001366	0	0.16000E-07	496565.3	3606153.3	39.0	0.00	1.53	0.85	NO	
L0001367	0	0.16000E-07	496565.7	3606150.0	39.0	0.00	1.53	0.85	NO	
L0001368	0	0.16000E-07	496566.1	3606146.8	39.0	0.00	1.53	0.85	NO	
L0001369	0	0.16000E-07	496566.5	3606143.5	39.0	0.00	1.53	0.85	NO	
L0001370	0	0.16000E-07	496566.9	3606140.3	39.0	0.00	1.53	0.85	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000838 , L0000839 , L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 ,
	L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 ,
	L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 ,
	L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 ,
	L0000870 , L0000871 , L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 ,
	L0000878 , L0000879 , L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 ,
	L0000886 , L0000887 , L0000888 , L0000889 , L0000890 , L0000891 , L0000892 , L0000893 ,
	L0000894 , L0000895 , L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 ,
	L0000902 , L0000903 , L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 ,
	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 , 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 , L0001551 , L0001552 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	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 ,
	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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001713 , L0001714 , L0001715 , L0001716 , L0001717 , L0001718 , L0001719 , L0001720 ,
	L0001721 , L0001722 , L0001723 , L0001724 , L0001725 , L0001726 , L0001727 , L0001728 ,
	L0001729 , L0001730 , STCK1 , STCK2 , STCK3 , STCK4 , 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 , L0001201 ,
	L0001202 , L0001203 , L0001204 , L0001205 , 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 , L0001281 ,
	L0001282 , L0001283 , L0001284 , L0001285 , L0001286 , L0001287 , L0001288 , L0001289 ,
	L0001290 , L0001291 , L0001292 , L0001293 , L0001294 , L0001295 , L0001296 , L0001297 ,
	L0001298 , L0001299 , L0001300 , L0001301 , L0001302 , L0001303 , L0001304 , L0001305 ,
	L0001306 , L0001307 , L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001314 , L0001315 , L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 ,
	L0001322 , L0001323 , L0001324 , L0001325 , L0001326 , L0001327 , L0001328 , L0001329 ,
	L0001330 , L0001331 , L0001332 , L0001333 , L0001334 , L0001335 , L0001336 , L0001337 ,
	L0001338 , L0001339 , L0001340 , L0001341 , L0001342 , L0001343 , L0001344 , L0001345 ,
	L0001346 , L0001347 , L0001348 , L0001349 , L0001350 , L0001351 , L0001352 , L0001353 ,
	L0001354 , L0001355 , L0001356 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 ,
	L0001362 , L0001363 , L0001364 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 ,
	L0001370 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-61.0,	49.4,	2	12.2,	161.1,	211.6,	-75.1,	56.1,
3	12.2,	183.0,	214.4,	-86.9,	61.0,	4	12.2,	199.4,	210.7,	-96.0,	64.0,
5	12.2,	209.6,	201.1,	-102.2,	65.0,	6	12.2,	213.8,	185.4,	-105.4,	64.0,
7	12.2,	211.8,	164.2,	-105.3,	60.8,	8	12.2,	203.3,	138.5,	-102.0,	55.8,
9	12.2,	188.7,	108.5,	-95.6,	49.1,	10	12.2,	202.5,	134.6,	-116.8,	40.2,
11	12.2,	211.6,	161.1,	-136.7,	30.7,	12	12.2,	214.4,	183.0,	-152.5,	20.3,
13	12.2,	210.7,	199.4,	-163.6,	9.3,	14	12.2,	201.1,	209.6,	-169.8,	-1.7,
15	12.2,	185.4,	213.8,	-170.9,	-12.7,	16	12.2,	164.2,	211.8,	-166.7,	-23.2,
17	12.2,	138.5,	203.3,	-157.5,	-32.8,	18	12.2,	108.5,	188.7,	-143.4,	-41.4,
19	12.2,	134.6,	202.5,	-141.4,	-49.4,	20	12.2,	161.1,	211.6,	-136.5,	-56.1,
21	12.2,	183.0,	214.4,	-127.5,	-61.0,	22	12.2,	199.4,	210.7,	-114.7,	-64.0,
23	12.2,	209.6,	201.1,	-98.8,	-65.0,	24	12.2,	213.8,	185.4,	-80.0,	-64.0,
25	12.2,	211.8,	164.2,	-59.0,	-60.8,	26	12.2,	203.3,	138.5,	-36.5,	-55.8,
27	12.2,	188.7,	108.5,	-12.8,	-49.1,	28	12.2,	202.5,	134.6,	-17.9,	-40.2,
29	12.2,	211.6,	161.1,	-24.4,	-30.7,	30	12.2,	214.4,	183.0,	-30.5,	-20.3,
31	12.2,	210.7,	199.4,	-35.7,	-9.3,	32	12.2,	201.1,	209.6,	-39.8,	1.7,
33	12.2,	185.4,	213.8,	-42.9,	12.7,	34	12.2,	164.2,	211.8,	-45.1,	23.2,
35	12.2,	138.5,	203.3,	-45.9,	32.8,	36	12.2,	108.5,	188.7,	-45.3,	41.4,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-91.8,	43.1,	2	12.2,	161.1,	211.6,	-104.2,	44.6,
3	12.2,	183.0,	214.4,	-113.6,	44.5,	4	12.2,	199.4,	210.7,	-119.5,	43.1,
5	12.2,	209.6,	201.1,	-121.7,	40.4,	6	12.2,	213.8,	185.4,	-120.3,	36.4,
7	12.2,	211.8,	164.2,	-115.2,	31.0,	8	12.2,	203.3,	138.5,	-106.6,	24.8,
9	12.2,	188.7,	108.5,	-94.7,	17.7,	10	12.2,	202.5,	134.6,	-110.4,	9.5,
11	12.2,	211.6,	161.1,	-125.1,	1.6,	12	12.2,	214.4,	183.0,	-136.0,	-6.4,
13	12.2,	210.7,	199.4,	-142.8,	-14.1,	14	12.2,	201.1,	209.6,	-145.2,	-21.2,
15	12.2,	185.4,	213.8,	-143.2,	-27.6,	16	12.2,	164.2,	211.8,	-136.9,	-33.0,
17	12.2,	138.5,	203.3,	-126.4,	-37.3,	18	12.2,	108.5,	188.7,	-112.1,	-40.5,
19	12.2,	134.6,	202.5,	-110.7,	-43.1,	20	12.2,	161.1,	211.6,	-107.4,	-44.6,
21	12.2,	183.0,	214.4,	-100.8,	-44.5,	22	12.2,	199.4,	210.7,	-91.2,	-43.1,
23	12.2,	209.6,	201.1,	-79.4,	-40.4,	24	12.2,	213.8,	185.4,	-65.1,	-36.4,
25	12.2,	211.8,	164.2,	-49.1,	-31.0,	26	12.2,	203.3,	138.5,	-31.9,	-24.8,
27	12.2,	188.7,	108.5,	-13.7,	-17.7,	28	12.2,	202.5,	134.6,	-24.2,	-9.5,
29	12.2,	211.6,	161.1,	-36.0,	-1.6,	30	12.2,	214.4,	183.0,	-47.0,	6.4,
31	12.2,	210.7,	199.4,	-56.5,	14.1,	32	12.2,	201.1,	209.6,	-64.4,	21.2,
33	12.2,	185.4,	213.8,	-70.5,	27.6,	34	12.2,	164.2,	211.8,	-74.8,	33.0,
35	12.2,	138.5,	203.3,	-76.9,	37.3,	36	12.2,	108.5,	188.7,	-76.6,	40.5,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-122.3,	38.4,	2	12.2,	161.1,	211.6,	-133.5,	34.6,
3	12.2,	183.0,	214.4,	-140.7,	29.7,	4	12.2,	199.4,	210.7,	-143.6,	23.8,
5	12.2,	209.6,	201.1,	-142.1,	17.2,	6	12.2,	213.8,	185.4,	-136.3,	9.9,
7	12.2,	211.8,	164.2,	-126.4,	2.2,	8	12.2,	203.3,	138.5,	-112.6,	-5.6,
9	12.2,	188.7,	108.5,	-95.4,	-13.2,	10	12.2,	202.5,	134.6,	-105.7,	-21.1,
11	12.2,	211.6,	161.1,	-115.2,	-27.7,	12	12.2,	214.4,	183.0,	-121.2,	-33.5,
13	12.2,	210.7,	199.4,	-123.5,	-38.2,	14	12.2,	201.1,	209.6,	-122.0,	-41.6,
15	12.2,	185.4,	213.8,	-116.8,	-43.6,	16	12.2,	164.2,	211.8,	-108.1,	-44.2,
17	12.2,	138.5,	203.3,	-96.1,	-43.4,	18	12.2,	108.5,	188.7,	-81.2,	-41.2,
19	12.2,	134.6,	202.5,	-80.2,	-38.4,	20	12.2,	161.1,	211.6,	-78.1,	-34.6,
21	12.2,	183.0,	214.4,	-73.7,	-29.7,	22	12.2,	199.4,	210.7,	-67.1,	-23.8,
23	12.2,	209.6,	201.1,	-59.0,	-17.2,	24	12.2,	213.8,	185.4,	-49.1,	-9.9,
25	12.2,	211.8,	164.2,	-37.9,	-2.2,	26	12.2,	203.3,	138.5,	-25.9,	5.6,
27	12.2,	188.7,	108.5,	-13.1,	13.2,	28	12.2,	202.5,	134.6,	-28.9,	21.1,
29	12.2,	211.6,	161.1,	-45.9,	27.7,	30	12.2,	214.4,	183.0,	-61.9,	33.5,
31	12.2,	210.7,	199.4,	-75.9,	38.2,	32	12.2,	201.1,	209.6,	-87.6,	41.6,
33	12.2,	185.4,	213.8,	-96.9,	43.6,	34	12.2,	164.2,	211.8,	-103.7,	44.2,
35	12.2,	138.5,	203.3,	-107.2,	43.4,	36	12.2,	108.5,	188.7,	-107.6,	41.2,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-161.6,	31.7,	2	12.2,	161.1,	211.6,	-171.0,	21.2,
3	12.2,	183.0,	214.4,	-175.3,	9.9,	4	12.2,	199.4,	210.7,	-174.2,	-1.7,
5	12.2,	209.6,	201.1,	-167.9,	-13.2,	6	12.2,	213.8,	185.4,	-156.4,	-24.4,
7	12.2,	211.8,	164.2,	-140.2,	-35.1,	8	12.2,	203.3,	138.5,	-119.7,	-44.8,
9	12.2,	188.7,	108.5,	-95.6,	-53.0,	10	12.2,	202.5,	134.6,	-99.0,	-60.3,
11	12.2,	211.6,	161.1,	-101.8,	-65.2,	12	12.2,	214.4,	183.0,	-101.5,	-68.1,
13	12.2,	210.7,	199.4,	-98.0,	-68.9,	14	12.2,	201.1,	209.6,	-91.6,	-67.3,
15	12.2,	185.4,	213.8,	-82.5,	-63.7,	16	12.2,	164.2,	211.8,	-70.8,	-58.1,
17	12.2,	138.5,	203.3,	-56.9,	-50.5,	18	12.2,	108.5,	188.7,	-41.3,	-41.4,
19	12.2,	134.6,	202.5,	-40.9,	-31.7,	20	12.2,	161.1,	211.6,	-40.6,	-21.2,
21	12.2,	183.0,	214.4,	-39.1,	-9.9,	22	12.2,	199.4,	210.7,	-36.5,	1.7,
23	12.2,	209.6,	201.1,	-33.2,	13.2,	24	12.2,	213.8,	185.4,	-29.0,	24.4,
25	12.2,	211.8,	164.2,	-24.1,	35.1,	26	12.2,	203.3,	138.5,	-18.7,	44.8,
27	12.2,	188.7,	108.5,	-12.8,	53.0,	28	12.2,	202.5,	134.6,	-35.6,	60.3,
29	12.2,	211.6,	161.1,	-59.3,	65.2,	30	12.2,	214.4,	183.0,	-81.6,	68.1,
31	12.2,	210.7,	199.4,	-101.3,	68.9,	32	12.2,	201.1,	209.6,	-118.0,	67.3,
33	12.2,	185.4,	213.8,	-131.3,	63.7,	34	12.2,	164.2,	211.8,	-141.0,	58.1,
35	12.2,	138.5,	203.3,	-146.4,	50.5,	36	12.2,	108.5,	188.7,	-147.4,	41.4,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

496437.3, 496496.9, 496556.5, 496616.1, 496675.8, 496735.3, 496794.9, 496854.5, 496914.1, 496973.8,
497033.3, 497092.9, 497152.5, 497212.1, 497271.8, 497331.3, 497390.9, 497450.5, 497510.1, 497569.8,
497629.3,

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

3606072.0, 3606131.2, 3606190.3, 3606249.4, 3606308.6, 3606367.7, 3606426.8, 3606486.0, 3606545.1, 3606604.2,
3606663.3, 3606722.5, 3606781.6, 3606840.7, 3606899.9, 3606959.0, 3607018.1, 3607077.2, 3607136.4, 3607195.5,
3607254.6,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	68.00	67.00	61.50	61.40	54.30	57.70	59.70
3607195.51	72.10	68.40	66.60	66.10	59.60	54.00	56.50	57.80	58.60
3607136.38	72.40	66.00	65.40	64.20	56.60	53.00	55.70	59.00	59.60
3607077.25	72.60	62.20	62.60	62.90	48.40	54.40	58.20	59.70	61.50
3607018.12	59.50	56.80	59.50	61.20	53.60	53.70	60.30	63.90	68.00
3606958.99	54.40	52.60	57.00	60.00	54.80	55.60	62.40	65.10	68.60
3606899.86	46.70	50.20	55.80	58.70	58.30	58.20	65.70	68.50	72.40
3606840.73	48.90	49.90	55.10	57.20	63.80	62.90	63.90	68.30	69.20
3606781.60	48.20	52.80	54.50	56.50	64.70	66.80	63.70	64.40	65.60
3606722.47	50.90	52.50	55.10	54.30	66.20	66.80	65.00	61.30	60.70
3606663.34	54.50	57.10	55.00	52.60	64.70	64.00	66.30	60.80	57.90
3606604.21	56.30	58.80	51.40	50.40	60.50	59.70	61.60	62.50	54.60
3606545.08	58.30	59.00	47.30	48.80	56.10	53.90	57.80	58.20	50.60
3606485.95	54.50	56.20	44.40	47.20	51.00	49.40	48.20	47.40	45.60
3606426.82	53.30	50.30	42.30	45.70	43.20	46.40	45.10	43.70	42.60
3606367.69	39.50	38.70	39.70	40.40	39.00	40.20	40.50	40.70	39.80
3606308.56	38.20	37.00	41.00	42.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	41.00	41.70	35.70	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	38.50	41.10	35.00	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	36.10	40.10	34.10	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	34.50	38.40	33.70	33.70	34.00	29.30	27.80

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	65.20	67.50	72.50	76.70	80.10	84.70	85.30	99.00	100.10
3607195.51	61.30	65.70	70.70	74.40	76.60	80.60	82.80	86.80	87.50
3607136.38	64.40	75.90	80.00	78.20	76.90	74.10	80.90	83.60	88.20
3607077.25	75.10	80.20	80.90	77.80	75.10	72.10	77.80	84.60	97.10
3607018.12	79.90	81.00	81.80	78.40	76.80	70.30	75.70	94.70	98.20
3606958.99	76.20	81.00	80.90	79.10	75.70	67.00	75.50	92.50	92.30
3606899.86	73.00	77.50	77.90	77.80	73.20	62.70	72.30	79.40	77.70
3606840.73	69.10	77.40	77.70	68.70	65.10	60.30	65.00	68.30	81.60
3606781.60	64.40	73.30	74.10	63.10	56.30	57.70	62.30	72.50	76.20
3606722.47	63.30	63.80	64.10	57.30	53.90	56.10	57.00	56.70	65.30
3606663.34	61.00	62.50	59.10	54.30	53.20	55.10	56.90	56.60	61.90
3606604.21	54.40	55.20	50.40	53.50	52.20	50.00	51.30	50.80	49.30
3606545.08	48.60	44.70	45.10	46.60	47.00	48.50	49.40	49.10	44.30
3606485.95	44.90	41.60	42.90	44.40	44.30	45.00	44.00	42.80	43.20
3606426.82	42.50	41.80	42.60	44.00	43.50	43.10	43.20	41.80	42.00
3606367.69	39.60	39.90	40.40	41.10	41.40	41.60	41.20	41.00	40.40
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	35.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	31.30	30.00	30.00
3606131.17	34.40	33.10	29.00	28.40	27.90	29.60	28.70	29.70	29.50
3606072.04	27.10	26.40	26.60	27.20	27.70	27.50	28.10	28.60	28.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	102.70	107.40	104.40
3607195.51	92.20	95.00	98.50
3607136.38	95.90	97.40	100.30
3607077.25	100.10	101.10	103.90
3607018.12	98.70	102.50	103.70
3606958.99	90.30	101.40	103.10
3606899.86	79.10	92.10	93.50
3606840.73	90.10	90.90	90.20
3606781.60	74.50	72.40	71.20
3606722.47	66.70	62.80	62.50
3606663.34	65.40	56.40	57.40
3606604.21	51.20	53.90	58.40
3606545.08	44.40	45.00	46.00
3606485.95	43.10	43.10	43.30
3606426.82	42.50	42.40	42.90
3606367.69	40.60	40.90	41.30
3606308.56	39.70	39.90	40.60
3606249.43	40.20	40.00	39.90
3606190.30	29.90	29.60	29.80
3606131.17	29.10	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	76.50	67.00	76.00	76.00	80.50	80.50	130.10
3607195.51	72.10	68.40	66.60	66.10	66.50	76.00	81.70	81.70	81.90
3607136.38	72.40	72.70	65.40	64.20	66.50	81.70	81.90	81.90	82.20
3607077.25	72.60	72.90	62.60	62.90	81.90	81.90	81.90	81.90	82.20
3607018.12	73.00	72.90	72.90	61.20	63.00	81.90	81.90	81.90	81.90
3606958.99	73.00	72.90	72.00	60.00	58.90	81.90	72.40	81.90	81.90
3606899.86	73.00	72.90	59.20	58.70	58.30	71.70	65.70	72.10	72.40
3606840.73	72.90	72.90	64.80	65.20	64.50	62.90	63.90	68.30	73.20
3606781.60	48.20	52.80	66.20	66.70	64.70	66.80	67.90	64.40	77.50
3606722.47	50.90	59.00	66.20	67.40	66.20	66.80	66.70	61.30	78.30
3606663.34	56.30	58.80	66.20	67.50	64.70	64.00	66.30	66.50	78.00
3606604.21	56.30	58.80	66.20	66.50	62.30	65.70	65.50	62.50	66.50
3606545.08	58.30	59.00	66.10	66.20	57.70	66.10	62.00	62.50	66.50
3606485.95	54.50	59.20	59.30	62.30	52.50	65.70	66.50	66.50	66.50
3606426.82	53.30	59.20	59.30	45.70	65.70	46.40	65.70	65.70	62.50
3606367.69	59.30	59.30	59.30	59.20	65.70	65.70	62.50	62.50	62.50
3606308.56	59.20	59.30	45.20	44.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	43.00	41.70	41.00	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	42.30	41.10	40.80	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	40.80	40.10	40.50	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	39.70	38.40	33.70	33.70	34.00	33.50	33.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	129.60	130.80	130.80	130.80	130.90	130.90	130.90	129.00	129.00
3607195.51	130.10	130.10	130.10	130.80	130.90	130.90	130.90	130.90	139.00
3607136.38	82.20	80.80	80.00	78.20	129.60	130.90	130.80	130.80	129.00
3607077.25	81.70	80.20	80.90	81.10	129.00	130.80	129.60	129.00	98.10
3607018.12	81.70	81.00	81.80	78.40	98.60	129.60	129.00	98.60	98.20
3606958.99	81.90	81.00	80.90	79.10	98.60	129.00	103.80	98.60	99.00
3606899.86	81.60	81.60	77.90	77.80	98.60	129.00	104.30	102.70	125.50
3606840.73	81.60	77.40	78.20	98.50	99.20	127.90	125.50	125.50	104.30
3606781.60	81.60	78.30	78.50	98.60	104.30	125.50	125.50	104.30	104.30
3606722.47	78.50	78.50	78.50	98.70	104.30	125.50	125.50	125.50	125.50
3606663.34	78.30	78.50	78.50	98.60	102.30	104.30	125.50	125.50	125.50
3606604.21	78.50	78.50	78.50	78.50	98.70	125.50	125.50	125.50	128.20
3606545.08	78.50	78.50	78.50	98.50	101.60	104.30	125.50	125.50	128.30
3606485.95	78.00	78.50	78.50	78.50	98.50	101.60	125.50	125.50	125.50
3606426.82	62.50	41.80	42.60	44.00	43.50	43.10	101.60	125.50	125.50
3606367.69	62.50	39.90	40.40	41.10	41.40	41.60	41.20	112.20	125.50
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	40.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	38.10	38.50	40.30
3606131.17	34.40	33.10	37.70	37.80	37.90	37.90	37.90	29.70	29.50
3606072.04	46.60	46.60	46.60	46.20	45.90	45.90	45.30	45.20	28.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	129.00	128.70	139.00
3607195.51	139.00	139.00	139.00
3607136.38	128.70	128.00	139.00
3607077.25	100.10	103.70	107.80
3607018.12	98.70	102.50	103.70
3606958.99	104.30	101.40	103.10
3606899.86	125.50	104.30	125.50
3606840.73	90.60	90.90	125.50
3606781.60	125.50	125.90	128.30
3606722.47	125.50	128.30	139.00
3606663.34	125.50	132.20	136.70
3606604.21	128.30	128.30	128.30
3606545.08	128.30	132.20	136.70
3606485.95	128.30	128.30	128.30
3606426.82	126.40	128.30	128.30
3606367.69	125.50	126.40	128.20
3606308.56	125.50	125.50	125.50
3606249.43	40.20	40.00	39.90
3606190.30	125.50	125.50	125.50
3606131.17	39.40	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(	497063.6,	3606807.8,	78.2,	78.2,	0.0);	(	496962.2,	3606775.4,	63.0,	81.6,	0.0);
(	496960.6,	3606692.3,	61.2,	78.3,	0.0);	(	496963.9,	3606567.3,	51.9,	78.3,	0.0);
(	496956.1,	3606409.6,	41.7,	62.5,	0.0);	(	496869.7,	3606414.9,	43.6,	62.5,	0.0);
(	496768.2,	3606419.4,	45.8,	62.5,	0.0);	(	496687.5,	3606578.0,	58.4,	58.4,	0.0);
(	497159.2,	3606873.8,	77.5,	77.5,	0.0);	(	496517.0,	3606174.8,	34.5,	42.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0001336	496556.5	3606249.4	0.28
L0001337	496556.5	3606249.4	0.02

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

Surface file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC Met Version: 14134
Profile file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3178 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-3.2	0.067	-9.000	-9.000	-999.	41.	8.2	0.05	1.05	1.00	1.76	191.	10.0	281.4	2.0
09	01	01	1	02	-3.3	0.068	-9.000	-9.000	-999.	42.	8.4	0.06	1.05	1.00	1.76	168.	10.0	282.5	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	280.9	2.0
09	01	01	1	04	-3.3	0.068	-9.000	-9.000	-999.	42.	8.3	0.06	1.05	1.00	1.76	133.	10.0	279.9	2.0
09	01	01	1	05	-15.4	0.274	-9.000	-9.000	-999.	345.	119.1	0.06	1.05	1.00	3.86	143.	10.0	279.2	2.0
09	01	01	1	06	-12.3	0.110	-9.000	-9.000	-999.	113.	9.6	0.06	1.05	1.00	2.86	122.	10.0	279.2	2.0
09	01	01	1	07	-4.6	0.068	-9.000	-9.000	-999.	43.	5.9	0.06	1.05	1.00	1.76	135.	10.0	280.9	2.0
09	01	01	1	08	-3.3	0.063	-9.000	-9.000	-999.	38.	6.7	0.04	1.05	0.49	1.76	103.	10.0	282.0	2.0
09	01	01	1	09	35.2	-9.000	-9.000	-9.000	68.	-999.	-99999.0	0.06	1.05	0.29	0.00	0.	10.0	285.4	2.0
09	01	01	1	10	85.4	-9.000	-9.000	-9.000	144.	-999.	-99999.0	0.06	1.05	0.23	0.00	0.	10.0	287.5	2.0
09	01	01	1	11	119.2	-9.000	-9.000	-9.000	225.	-999.	-99999.0	0.06	1.05	0.21	0.00	0.	10.0	288.1	2.0
09	01	01	1	12	135.4	0.193	1.071	0.009	323.	204.	-4.8	0.06	1.05	0.20	1.76	999.	10.0	289.2	2.0
09	01	01	1	13	133.4	-9.000	-9.000	-9.000	428.	-999.	-99999.0	0.06	1.05	0.20	0.00	0.	10.0	290.9	2.0
09	01	01	1	14	111.9	0.350	1.173	0.007	513.	496.	-33.9	0.12	1.05	0.21	3.36	289.	10.0	289.9	2.0
09	01	01	1	15	72.9	0.340	1.069	0.007	595.	476.	-47.8	0.12	1.05	0.24	3.36	272.	10.0	288.8	2.0
09	01	01	1	16	19.2	0.362	0.691	0.007	609.	522.	-219.2	0.12	1.05	0.33	3.86	264.	10.0	286.4	2.0
09	01	01	1	17	-16.0	0.278	-9.000	-9.000	-999.	355.	118.8	0.12	1.05	0.60	3.36	251.	10.0	284.2	2.0
09	01	01	1	18	-12.6	0.228	-9.000	-9.000	-999.	262.	83.7	0.12	1.05	1.00	2.86	287.	10.0	284.2	2.0
09	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.8	2.0
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.1	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	191.	1.76	281.5	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	0.00012	0.00013	0.00014	0.00014	0.00014	0.00013	0.00012	0.00010	0.00009
3607195.51	0.00013	0.00014	0.00015	0.00016	0.00017	0.00016	0.00014	0.00012	0.00011
3607136.38	0.00013	0.00015	0.00017	0.00018	0.00020	0.00020	0.00018	0.00015	0.00013
3607077.25	0.00013	0.00017	0.00018	0.00020	0.00023	0.00023	0.00022	0.00020	0.00017
3607018.12	0.00016	0.00018	0.00019	0.00021	0.00025	0.00027	0.00027	0.00025	0.00021
3606958.99	0.00017	0.00019	0.00020	0.00022	0.00026	0.00030	0.00032	0.00033	0.00030
3606899.86	0.00019	0.00020	0.00021	0.00022	0.00026	0.00031	0.00035	0.00040	0.00040
3606840.73	0.00020	0.00021	0.00021	0.00022	0.00023	0.00029	0.00037	0.00045	0.00056
3606781.60	0.00021	0.00022	0.00022	0.00023	0.00022	0.00026	0.00036	0.00048	0.00069
3606722.47	0.00022	0.00024	0.00027	0.00027	0.00022	0.00026	0.00034	0.00049	0.00082
3606663.34	0.00021	0.00023	0.00032	0.00060	0.00027	0.00029	0.00033	0.00047	0.00076
3606604.21	0.00020	0.00023	0.00039	0.00073	0.00040	0.00037	0.00037	0.00042	0.00062
3606545.08	0.00020	0.00022	0.00045	0.00063	0.00044	0.00043	0.00038	0.00040	0.00052
3606485.95	0.00022	0.00024	0.00051	0.00060	0.00055	0.00053	0.00054	0.00055	0.00058
3606426.82	0.00022	0.00032	0.00068	0.00069	0.00126	0.00089	0.00099	0.00103	0.00102
3606367.69	0.00038	0.00068	0.00114	0.00092	0.00094	0.00114	0.00121	0.00130	0.00133
3606308.56	0.00035	0.00050	0.00096	0.00045	0.00036	0.00038	0.00037	0.00038	0.00037
3606249.43	0.00027	0.00039	0.00091	0.00038	0.00025	0.00022	0.00021	0.00020	0.00019
3606190.30	0.00018	0.00026	0.00139	0.00032	0.00019	0.00016	0.00014	0.00013	0.00012
3606131.17	0.00013	0.00015	0.00018	0.00020	0.00013	0.00011	0.00010	0.00009	0.00008
3606072.04	0.00009	0.00008	0.00007	0.00008	0.00007	0.00007	0.00007	0.00006	0.00005

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	0.00007	0.00006	0.00006	0.00005	0.00005	0.00005	0.00005	0.00004	0.00003
3607195.51	0.00009	0.00008	0.00007	0.00006	0.00006	0.00006	0.00005	0.00005	0.00004
3607136.38	0.00010	0.00008	0.00007	0.00007	0.00007	0.00007	0.00006	0.00005	0.00005
3607077.25	0.00011	0.00009	0.00008	0.00008	0.00008	0.00009	0.00007	0.00006	0.00005
3607018.12	0.00014	0.00011	0.00010	0.00010	0.00010	0.00010	0.00008	0.00006	0.00005
3606958.99	0.00022	0.00015	0.00013	0.00013	0.00013	0.00013	0.00010	0.00007	0.00006
3606899.86	0.00037	0.00026	0.00019	0.00018	0.00017	0.00017	0.00013	0.00010	0.00010
3606840.73	0.00066	0.00053	0.00032	0.00032	0.00027	0.00023	0.00020	0.00017	0.00014
3606781.60	0.00102	0.00067	0.00102	0.00082	0.00050	0.00040	0.00034	0.00027	0.00023
3606722.47	0.00112	0.00182	0.00313	0.00224	0.00112	0.00079	0.00061	0.00048	0.00039
3606663.34	0.00103	0.00200	0.00355	0.00243	0.00156	0.00112	0.00084	0.00065	0.00052
3606604.21	0.00074	0.00095	0.00273	0.00259	0.00169	0.00122	0.00090	0.00071	0.00057
3606545.08	0.00063	0.00064	0.00082	0.00158	0.00220	0.00201	0.00093	0.00068	0.00053
3606485.95	0.00058	0.00059	0.00058	0.00066	0.00112	0.00143	0.00069	0.00052	0.00044
3606426.82	0.00099	0.00101	0.00098	0.00095	0.00119	0.00137	0.00060	0.00045	0.00037
3606367.69	0.00137	0.00142	0.00144	0.00146	0.00136	0.00094	0.00056	0.00041	0.00033
3606308.56	0.00037	0.00037	0.00034	0.00031	0.00030	0.00029	0.00028	0.00027	0.00025
3606249.43	0.00018	0.00018	0.00016	0.00016	0.00015	0.00016	0.00017	0.00017	0.00017
3606190.30	0.00011	0.00011	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011	0.00011
3606131.17	0.00008	0.00007	0.00007	0.00006	0.00006	0.00007	0.00007	0.00008	0.00008
3606072.04	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00006	0.00006

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	0.00003	0.00003	0.00003
3607195.51	0.00004	0.00003	0.00003
3607136.38	0.00004	0.00003	0.00003
3607077.25	0.00004	0.00004	0.00003
3607018.12	0.00005	0.00004	0.00004
3606958.99	0.00006	0.00005	0.00005
3606899.86	0.00009	0.00008	0.00007
3606840.73	0.00012	0.00011	0.00010
3606781.60	0.00020	0.00018	0.00017
3606722.47	0.00032	0.00028	0.00024
3606663.34	0.00042	0.00036	0.00031
3606604.21	0.00048	0.00040	0.00034
3606545.08	0.00045	0.00039	0.00034
3606485.95	0.00039	0.00034	0.00030
3606426.82	0.00032	0.00029	0.00026
3606367.69	0.00029	0.00025	0.00023
3606308.56	0.00023	0.00021	0.00019
3606249.43	0.00017	0.00016	0.00016
3606190.30	0.00011	0.00011	0.00011
3606131.17	0.00008	0.00009	0.00009
3606072.04	0.00006	0.00007	0.00007

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497063.62	3606807.82	0.00055	496962.22	3606775.42	0.00104
496960.57	3606692.34	0.00103	496963.87	3606567.33	0.00066
496956.09	3606409.58	0.00154	496869.73	3606414.95	0.00127
496768.16	3606419.43	0.00106	496687.45	3606578.01	0.00040
497159.16	3606873.81	0.00021	496516.98	3606174.85	0.00029

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00355 AT	(497092.95, 3606663.34, 59.10, 78.50, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00313 AT	(497092.95, 3606722.47, 64.10, 78.50, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00273 AT	(497092.95, 3606604.21, 50.40, 78.50, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00259 AT	(497152.55, 3606604.21, 53.50, 78.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00243 AT	(497152.55, 3606663.34, 54.30, 98.60, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00224 AT	(497152.55, 3606722.47, 57.30, 98.70, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00220 AT	(497212.15, 3606545.08, 47.00, 101.60, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00201 AT	(497271.75, 3606545.08, 48.50, 104.30, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00200 AT	(497033.35, 3606663.34, 62.50, 78.50, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00182 AT	(497033.35, 3606722.47, 63.80, 78.50, 0.00)	GC	UCART1

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

A Total of   0 Fatal Error Message(s)
A Total of   6 Warning Message(s)
A Total of   16961 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13845 Calm Hours Identified

A Total of   3116 Missing Hours Identified (7.10 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   1041   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1042   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1043   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1044   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
MX W430   33748   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110704
MX W430   33749   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110705

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 8/4/2021
** File: C:\Lakes\AERMOD View\Shinohara HRA - 1st 14 yrs\Shinohara HRA - 1st 14 yrs.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Shinohara HRA - 2 year\Shinohara HRA - 2 year.i
   TITLETWO Shinohara DPM Concentrations - 1st 14 years
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "Shinohara HRA - 1st 14 yrs.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site - Project Driveway to Loading Area
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 2.4E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 5
** 497125.107, 3606563.656, 46.25, 0.00, 1.53
** 497116.635, 3606572.599, 46.24, 0.00, 1.53
** 497111.457, 3606587.191, 48.45, 0.00, 1.53
** 497113.340, 3606656.851, 53.51, 0.00, 1.53
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** 497113.261, 3606777.752, 72.42, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0001371     VOLUME   497123.979 3606564.847 46.90
   LOCATION L0001372     VOLUME   497121.724 3606567.228 46.81
   LOCATION L0001373     VOLUME   497119.468 3606569.609 46.72
   LOCATION L0001374     VOLUME   497117.212 3606571.990 46.93
   LOCATION L0001375     VOLUME   497115.819 3606574.900 47.17
   LOCATION L0001376     VOLUME   497114.722 3606577.991 47.42
   LOCATION L0001377     VOLUME   497113.625 3606581.082 47.66
   LOCATION L0001378     VOLUME   497112.528 3606584.173 47.91
   LOCATION L0001379     VOLUME   497111.460 3606587.269 48.15
   LOCATION L0001380     VOLUME   497111.548 3606590.548 48.39
   LOCATION L0001381     VOLUME   497111.637 3606593.827 48.67
   LOCATION L0001382     VOLUME   497111.725 3606597.105 48.95
   LOCATION L0001383     VOLUME   497111.814 3606600.384 49.24
   LOCATION L0001384     VOLUME   497111.903 3606603.663 49.52
   LOCATION L0001385     VOLUME   497111.991 3606606.942 49.80
   LOCATION L0001386     VOLUME   497112.080 3606610.221 50.08
   LOCATION L0001387     VOLUME   497112.169 3606613.499 50.36
   LOCATION L0001388     VOLUME   497112.257 3606616.778 50.64
   LOCATION L0001389     VOLUME   497112.346 3606620.057 50.91
   LOCATION L0001390     VOLUME   497112.434 3606623.336 51.21
   LOCATION L0001391     VOLUME   497112.523 3606626.615 51.52
   LOCATION L0001392     VOLUME   497112.612 3606629.894 51.83
   LOCATION L0001393     VOLUME   497112.700 3606633.172 52.14
   LOCATION L0001394     VOLUME   497112.789 3606636.451 52.44
   LOCATION L0001395     VOLUME   497112.877 3606639.730 52.74
   LOCATION L0001396     VOLUME   497112.966 3606643.009 53.04
   LOCATION L0001397     VOLUME   497113.055 3606646.288 53.34
   LOCATION L0001398     VOLUME   497113.143 3606649.566 53.64
   LOCATION L0001399     VOLUME   497113.232 3606652.845 53.95
   LOCATION L0001400     VOLUME   497113.321 3606656.124 54.34
   LOCATION L0001401     VOLUME   497113.339 3606659.404 54.74
   LOCATION L0001402     VOLUME   497113.336 3606662.684 55.15
   LOCATION L0001403     VOLUME   497113.334 3606665.964 55.55
   LOCATION L0001404     VOLUME   497113.332 3606669.244 55.96
   LOCATION L0001405     VOLUME   497113.330 3606672.524 56.36
   LOCATION L0001406     VOLUME   497113.328 3606675.804 56.77
   LOCATION L0001407     VOLUME   497113.326 3606679.084 57.17
   LOCATION L0001408     VOLUME   497113.324 3606682.364 57.58
   LOCATION L0001409     VOLUME   497113.321 3606685.644 57.97
   LOCATION L0001410     VOLUME   497113.319 3606688.924 58.35
   LOCATION L0001411     VOLUME   497113.317 3606692.204 58.74
   LOCATION L0001412     VOLUME   497113.315 3606695.484 59.13
   LOCATION L0001413     VOLUME   497113.313 3606698.764 59.51
   LOCATION L0001414     VOLUME   497113.311 3606702.044 59.90
   LOCATION L0001415     VOLUME   497113.309 3606705.324 60.28
   LOCATION L0001416     VOLUME   497113.306 3606708.604 60.67
   LOCATION L0001417     VOLUME   497113.304 3606711.884 61.06
   LOCATION L0001418     VOLUME   497113.302 3606715.164 61.46
   LOCATION L0001419     VOLUME   497113.300 3606718.444 61.88
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   LOCATION L0001420     VOLUME   497113.298 3606721.724 62.30
   LOCATION L0001421     VOLUME   497113.296 3606725.004 62.72
   LOCATION L0001422     VOLUME   497113.294 3606728.284 63.14
   LOCATION L0001423     VOLUME   497113.291 3606731.564 63.56
   LOCATION L0001424     VOLUME   497113.289 3606734.844 63.98
   LOCATION L0001425     VOLUME   497113.287 3606738.124 64.40
   LOCATION L0001426     VOLUME   497113.285 3606741.404 64.82
   LOCATION L0001427     VOLUME   497113.283 3606744.684 65.25
   LOCATION L0001428     VOLUME   497113.281 3606747.964 66.04
   LOCATION L0001429     VOLUME   497113.279 3606751.244 66.83
   LOCATION L0001430     VOLUME   497113.276 3606754.524 67.63
   LOCATION L0001431     VOLUME   497113.274 3606757.804 68.42
   LOCATION L0001432     VOLUME   497113.272 3606761.084 69.21
   LOCATION L0001433     VOLUME   497113.270 3606764.364 70.01
   LOCATION L0001434     VOLUME   497113.268 3606767.644 70.80
   LOCATION L0001435     VOLUME   497113.266 3606770.924 71.59
   LOCATION L0001436     VOLUME   497113.264 3606774.204 72.39
   LOCATION L0001437     VOLUME   497113.261 3606777.484 72.87
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Shinohara Lane from Project Driveway to Brandywine Ave
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.04E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 3
** 497126.126, 3606562.573, 46.29, 0.00, 1.53
** 497128.006, 3606560.276, 46.47, 0.00, 1.53
** 497249.204, 3606559.551, 48.32, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0001438     VOLUME   497127.165 3606561.304 46.94
   LOCATION L0001439     VOLUME   497129.958 3606560.264 47.13
   LOCATION L0001440     VOLUME   497133.238 3606560.244 47.48
   LOCATION L0001441     VOLUME   497136.517 3606560.225 47.83
   LOCATION L0001442     VOLUME   497139.797 3606560.205 48.18
   LOCATION L0001443     VOLUME   497143.077 3606560.186 48.53
   LOCATION L0001444     VOLUME   497146.357 3606560.166 48.79
   LOCATION L0001445     VOLUME   497149.637 3606560.146 48.69
   LOCATION L0001446     VOLUME   497152.917 3606560.127 48.58
   LOCATION L0001447     VOLUME   497156.197 3606560.107 48.47
   LOCATION L0001448     VOLUME   497159.477 3606560.087 48.36
   LOCATION L0001449     VOLUME   497162.757 3606560.068 48.26
   LOCATION L0001450     VOLUME   497166.037 3606560.048 48.15
   LOCATION L0001451     VOLUME   497169.317 3606560.029 48.04
   LOCATION L0001452     VOLUME   497172.597 3606560.009 47.97
   LOCATION L0001453     VOLUME   497175.877 3606559.989 48.02
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   LOCATION L0001454     VOLUME   497179.157 3606559.970 48.07
   LOCATION L0001455     VOLUME   497182.437 3606559.950 48.11
   LOCATION L0001456     VOLUME   497185.717 3606559.931 48.16
   LOCATION L0001457     VOLUME   497188.997 3606559.911 48.21
   LOCATION L0001458     VOLUME   497192.276 3606559.891 48.25
   LOCATION L0001459     VOLUME   497195.556 3606559.872 48.30
   LOCATION L0001460     VOLUME   497198.836 3606559.852 48.34
   LOCATION L0001461     VOLUME   497202.116 3606559.832 48.36
   LOCATION L0001462     VOLUME   497205.396 3606559.813 48.37
   LOCATION L0001463     VOLUME   497208.676 3606559.793 48.39
   LOCATION L0001464     VOLUME   497211.956 3606559.774 48.41
   LOCATION L0001465     VOLUME   497215.236 3606559.754 48.43
   LOCATION L0001466     VOLUME   497218.516 3606559.734 48.45
   LOCATION L0001467     VOLUME   497221.796 3606559.715 48.47
   LOCATION L0001468     VOLUME   497225.076 3606559.695 48.48
   LOCATION L0001469     VOLUME   497228.356 3606559.676 48.46
   LOCATION L0001470     VOLUME   497231.636 3606559.656 48.43
   LOCATION L0001471     VOLUME   497234.916 3606559.636 48.41
   LOCATION L0001472     VOLUME   497238.196 3606559.617 48.39
   LOCATION L0001473     VOLUME   497241.476 3606559.597 48.37
   LOCATION L0001474     VOLUME   497244.756 3606559.577 48.35
   LOCATION L0001475     VOLUME   497248.035 3606559.558 48.32
** End of LINE VOLUME Source ID = SLINE2
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Brandywine Ave from Shinohara Lane to Main Street
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.46E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
** 497249.977, 3606559.231, 48.32, 0.00, 1.53
** 497251.206, 3606385.124, 42.07, 0.00, 1.53
** ------------------------------------------------------------------------
   LOCATION L0001476     VOLUME   497249.989 3606557.591 48.25
   LOCATION L0001477     VOLUME   497250.012 3606554.311 48.14
   LOCATION L0001478     VOLUME   497250.035 3606551.032 48.03
   LOCATION L0001479     VOLUME   497250.058 3606547.752 47.92
   LOCATION L0001480     VOLUME   497250.082 3606544.472 47.81
   LOCATION L0001481     VOLUME   497250.105 3606541.192 47.70
   LOCATION L0001482     VOLUME   497250.128 3606537.912 47.59
   LOCATION L0001483     VOLUME   497250.151 3606534.632 47.48
   LOCATION L0001484     VOLUME   497250.174 3606531.352 47.37
   LOCATION L0001485     VOLUME   497250.197 3606528.072 47.26
   LOCATION L0001486     VOLUME   497250.220 3606524.792 47.14
   LOCATION L0001487     VOLUME   497250.244 3606521.512 47.01
   LOCATION L0001488     VOLUME   497250.267 3606518.232 46.89
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   LOCATION L0001489     VOLUME   497250.290 3606514.952 46.77
   LOCATION L0001490     VOLUME   497250.313 3606511.673 46.64
   LOCATION L0001491     VOLUME   497250.336 3606508.393 46.52
   LOCATION L0001492     VOLUME   497250.359 3606505.113 46.39
   LOCATION L0001493     VOLUME   497250.382 3606501.833 46.27
   LOCATION L0001494     VOLUME   497250.406 3606498.553 46.14
   LOCATION L0001495     VOLUME   497250.429 3606495.273 45.99
   LOCATION L0001496     VOLUME   497250.452 3606491.993 45.84
   LOCATION L0001497     VOLUME   497250.475 3606488.713 45.69
   LOCATION L0001498     VOLUME   497250.498 3606485.433 45.53
   LOCATION L0001499     VOLUME   497250.521 3606482.153 45.38
   LOCATION L0001500     VOLUME   497250.544 3606478.873 45.22
   LOCATION L0001501     VOLUME   497250.567 3606475.593 45.07
   LOCATION L0001502     VOLUME   497250.591 3606472.314 44.92
   LOCATION L0001503     VOLUME   497250.614 3606469.034 44.76
   LOCATION L0001504     VOLUME   497250.637 3606465.754 44.60
   LOCATION L0001505     VOLUME   497250.660 3606462.474 44.42
   LOCATION L0001506     VOLUME   497250.683 3606459.194 44.24
   LOCATION L0001507     VOLUME   497250.706 3606455.914 44.07
   LOCATION L0001508     VOLUME   497250.729 3606452.634 43.90
   LOCATION L0001509     VOLUME   497250.753 3606449.354 43.72
   LOCATION L0001510     VOLUME   497250.776 3606446.074 43.55
   LOCATION L0001511     VOLUME   497250.799 3606442.794 43.38
   LOCATION L0001512     VOLUME   497250.822 3606439.514 43.20
   LOCATION L0001513     VOLUME   497250.845 3606436.234 43.03
   LOCATION L0001514     VOLUME   497250.868 3606432.955 42.90
   LOCATION L0001515     VOLUME   497250.891 3606429.675 42.76
   LOCATION L0001516     VOLUME   497250.915 3606426.395 42.62
   LOCATION L0001517     VOLUME   497250.938 3606423.115 42.48
   LOCATION L0001518     VOLUME   497250.961 3606419.835 42.35
   LOCATION L0001519     VOLUME   497250.984 3606416.555 42.21
   LOCATION L0001520     VOLUME   497251.007 3606413.275 42.07
   LOCATION L0001521     VOLUME   497251.030 3606409.995 41.94
   LOCATION L0001522     VOLUME   497251.053 3606406.715 41.80
   LOCATION L0001523     VOLUME   497251.077 3606403.435 41.79
   LOCATION L0001524     VOLUME   497251.100 3606400.155 41.83
   LOCATION L0001525     VOLUME   497251.123 3606396.875 41.86
   LOCATION L0001526     VOLUME   497251.146 3606393.595 41.89
   LOCATION L0001527     VOLUME   497251.169 3606390.316 41.93
   LOCATION L0001528     VOLUME   497251.192 3606387.036 41.96
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Main Street from Brandywine Ave to 805 freeway
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 4.97E-06
** Elevated
** Vertical Dimension = 3.66
```

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** SZINIT = 0.85
** Nodes = 2
** 497250.550, 3606383.877, 42.07, 0.00, 1.53
** 496658.774, 3606390.392, 39.20, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0001529     VOLUME   497248.910 3606383.895 41.98
   LOCATION L0001530     VOLUME   497245.630 3606383.931 42.02
   LOCATION L0001531     VOLUME   497242.350 3606383.967 42.06
   LOCATION L0001532     VOLUME   497239.071 3606384.003 42.10
   LOCATION L0001533     VOLUME   497235.791 3606384.040 42.14
   LOCATION L0001534     VOLUME   497232.511 3606384.076 42.18
   LOCATION L0001535     VOLUME   497229.231 3606384.112 42.22
   LOCATION L0001536     VOLUME   497225.951 3606384.148 42.26
   LOCATION L0001537     VOLUME   497222.672 3606384.184 42.29
   LOCATION L0001538     VOLUME   497219.392 3606384.220 42.28
   LOCATION L0001539     VOLUME   497216.112 3606384.256 42.27
   LOCATION L0001540     VOLUME   497212.832 3606384.292 42.26
   LOCATION L0001541     VOLUME   497209.552 3606384.328 42.25
   LOCATION L0001542     VOLUME   497206.273 3606384.365 42.25
   LOCATION L0001543     VOLUME   497202.993 3606384.401 42.24
   LOCATION L0001544     VOLUME   497199.713 3606384.437 42.23
   LOCATION L0001545     VOLUME   497196.433 3606384.473 42.22
   LOCATION L0001546     VOLUME   497193.153 3606384.509 42.21
   LOCATION L0001547     VOLUME   497189.874 3606384.545 42.21
   LOCATION L0001548     VOLUME   497186.594 3606384.581 42.20
   LOCATION L0001549     VOLUME   497183.314 3606384.617 42.19
   LOCATION L0001550     VOLUME   497180.034 3606384.653 42.19
   LOCATION L0001551     VOLUME   497176.754 3606384.690 42.18
   LOCATION L0001552     VOLUME   497173.475 3606384.726 42.17
   LOCATION L0001553     VOLUME   497170.195 3606384.762 42.18
   LOCATION L0001554     VOLUME   497166.915 3606384.798 42.18
   LOCATION L0001555     VOLUME   497163.635 3606384.834 42.19
   LOCATION L0001556     VOLUME   497160.355 3606384.870 42.20
   LOCATION L0001557     VOLUME   497157.076 3606384.906 42.21
   LOCATION L0001558     VOLUME   497153.796 3606384.942 42.22
   LOCATION L0001559     VOLUME   497150.516 3606384.978 42.23
   LOCATION L0001560     VOLUME   497147.236 3606385.015 42.24
   LOCATION L0001561     VOLUME   497143.956 3606385.051 42.19
   LOCATION L0001562     VOLUME   497140.677 3606385.087 42.08
   LOCATION L0001563     VOLUME   497137.397 3606385.123 41.96
   LOCATION L0001564     VOLUME   497134.117 3606385.159 41.85
   LOCATION L0001565     VOLUME   497130.837 3606385.195 41.73
   LOCATION L0001566     VOLUME   497127.557 3606385.231 41.62
   LOCATION L0001567     VOLUME   497124.278 3606385.267 41.50
   LOCATION L0001568     VOLUME   497120.998 3606385.303 41.38
   LOCATION L0001569     VOLUME   497117.718 3606385.340 41.35
   LOCATION L0001570     VOLUME   497114.438 3606385.376 41.36
   LOCATION L0001571     VOLUME   497111.158 3606385.412 41.38
   LOCATION L0001572     VOLUME   497107.879 3606385.448 41.40
   LOCATION L0001573     VOLUME   497104.599 3606385.484 41.42
   LOCATION L0001574     VOLUME   497101.319 3606385.520 41.44
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LOCATION L0001575     VOLUME   497098.039 3606385.556 41.46
LOCATION L0001576     VOLUME   497094.759 3606385.592 41.48
LOCATION L0001577     VOLUME   497091.480 3606385.628 41.39
LOCATION L0001578     VOLUME   497088.200 3606385.665 41.24
LOCATION L0001579     VOLUME   497084.920 3606385.701 41.09
LOCATION L0001580     VOLUME   497081.640 3606385.737 40.94
LOCATION L0001581     VOLUME   497078.360 3606385.773 40.79
LOCATION L0001582     VOLUME   497075.080 3606385.809 40.64
LOCATION L0001583     VOLUME   497071.801 3606385.845 40.49
LOCATION L0001584     VOLUME   497068.521 3606385.881 40.33
LOCATION L0001585     VOLUME   497065.241 3606385.917 40.33
LOCATION L0001586     VOLUME   497061.961 3606385.953 40.40
LOCATION L0001587     VOLUME   497058.681 3606385.990 40.46
LOCATION L0001588     VOLUME   497055.402 3606386.026 40.53
LOCATION L0001589     VOLUME   497052.122 3606386.062 40.60
LOCATION L0001590     VOLUME   497048.842 3606386.098 40.67
LOCATION L0001591     VOLUME   497045.562 3606386.134 40.74
LOCATION L0001592     VOLUME   497042.282 3606386.170 40.81
LOCATION L0001593     VOLUME   497039.003 3606386.206 40.83
LOCATION L0001594     VOLUME   497035.723 3606386.242 40.82
LOCATION L0001595     VOLUME   497032.443 3606386.278 40.82
LOCATION L0001596     VOLUME   497029.163 3606386.314 40.81
LOCATION L0001597     VOLUME   497025.883 3606386.351 40.81
LOCATION L0001598     VOLUME   497022.604 3606386.387 40.81
LOCATION L0001599     VOLUME   497019.324 3606386.423 40.80
LOCATION L0001600     VOLUME   497016.044 3606386.459 40.80
LOCATION L0001601     VOLUME   497012.764 3606386.495 40.79
LOCATION L0001602     VOLUME   497009.484 3606386.531 40.78
LOCATION L0001603     VOLUME   497006.205 3606386.567 40.76
LOCATION L0001604     VOLUME   497002.925 3606386.603 40.75
LOCATION L0001605     VOLUME   496999.645 3606386.639 40.74
LOCATION L0001606     VOLUME   496996.365 3606386.676 40.72
LOCATION L0001607     VOLUME   496993.085 3606386.712 40.71
LOCATION L0001608     VOLUME   496989.806 3606386.748 40.70
LOCATION L0001609     VOLUME   496986.526 3606386.784 40.67
LOCATION L0001610     VOLUME   496983.246 3606386.820 40.64
LOCATION L0001611     VOLUME   496979.966 3606386.856 40.62
LOCATION L0001612     VOLUME   496976.686 3606386.892 40.59
LOCATION L0001613     VOLUME   496973.407 3606386.928 40.56
LOCATION L0001614     VOLUME   496970.127 3606386.964 40.53
LOCATION L0001615     VOLUME   496966.847 3606387.001 40.50
LOCATION L0001616     VOLUME   496963.567 3606387.037 40.47
LOCATION L0001617     VOLUME   496960.287 3606387.073 40.45
LOCATION L0001618     VOLUME   496957.008 3606387.109 40.43
LOCATION L0001619     VOLUME   496953.728 3606387.145 40.40
LOCATION L0001620     VOLUME   496950.448 3606387.181 40.38
LOCATION L0001621     VOLUME   496947.168 3606387.217 40.36
LOCATION L0001622     VOLUME   496943.888 3606387.253 40.34
LOCATION L0001623     VOLUME   496940.609 3606387.289 40.32
LOCATION L0001624     VOLUME   496937.329 3606387.326 40.29
LOCATION L0001625     VOLUME   496934.049 3606387.362 40.43
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LOCATION L0001626     VOLUME   496930.769 3606387.398 40.57
LOCATION L0001627     VOLUME   496927.489 3606387.434 40.71
LOCATION L0001628     VOLUME   496924.210 3606387.470 40.85
LOCATION L0001629     VOLUME   496920.930 3606387.506 40.99
LOCATION L0001630     VOLUME   496917.650 3606387.542 41.13
LOCATION L0001631     VOLUME   496914.370 3606387.578 41.28
LOCATION L0001632     VOLUME   496911.090 3606387.614 41.42
LOCATION L0001633     VOLUME   496907.811 3606387.651 41.48
LOCATION L0001634     VOLUME   496904.531 3606387.687 41.53
LOCATION L0001635     VOLUME   496901.251 3606387.723 41.59
LOCATION L0001636     VOLUME   496897.971 3606387.759 41.64
LOCATION L0001637     VOLUME   496894.691 3606387.795 41.70
LOCATION L0001638     VOLUME   496891.412 3606387.831 41.75
LOCATION L0001639     VOLUME   496888.132 3606387.867 41.81
LOCATION L0001640     VOLUME   496884.852 3606387.903 41.86
LOCATION L0001641     VOLUME   496881.572 3606387.939 41.91
LOCATION L0001642     VOLUME   496878.292 3606387.976 41.95
LOCATION L0001643     VOLUME   496875.013 3606388.012 42.00
LOCATION L0001644     VOLUME   496871.733 3606388.048 42.04
LOCATION L0001645     VOLUME   496868.453 3606388.084 42.09
LOCATION L0001646     VOLUME   496865.173 3606388.120 42.13
LOCATION L0001647     VOLUME   496861.893 3606388.156 42.17
LOCATION L0001648     VOLUME   496858.614 3606388.192 42.22
LOCATION L0001649     VOLUME   496855.334 3606388.228 42.26
LOCATION L0001650     VOLUME   496852.054 3606388.264 42.30
LOCATION L0001651     VOLUME   496848.774 3606388.301 42.35
LOCATION L0001652     VOLUME   496845.494 3606388.337 42.39
LOCATION L0001653     VOLUME   496842.215 3606388.373 42.43
LOCATION L0001654     VOLUME   496838.935 3606388.409 42.48
LOCATION L0001655     VOLUME   496835.655 3606388.445 42.52
LOCATION L0001656     VOLUME   496832.375 3606388.481 42.56
LOCATION L0001657     VOLUME   496829.095 3606388.517 42.61
LOCATION L0001658     VOLUME   496825.816 3606388.553 42.65
LOCATION L0001659     VOLUME   496822.536 3606388.589 42.70
LOCATION L0001660     VOLUME   496819.256 3606388.626 42.74
LOCATION L0001661     VOLUME   496815.976 3606388.662 42.79
LOCATION L0001662     VOLUME   496812.696 3606388.698 42.83
LOCATION L0001663     VOLUME   496809.417 3606388.734 42.88
LOCATION L0001664     VOLUME   496806.137 3606388.770 42.92
LOCATION L0001665     VOLUME   496802.857 3606388.806 42.94
LOCATION L0001666     VOLUME   496799.577 3606388.842 42.97
LOCATION L0001667     VOLUME   496796.297 3606388.878 43.00
LOCATION L0001668     VOLUME   496793.018 3606388.914 43.03
LOCATION L0001669     VOLUME   496789.738 3606388.951 43.06
LOCATION L0001670     VOLUME   496786.458 3606388.987 43.09
LOCATION L0001671     VOLUME   496783.178 3606389.023 43.12
LOCATION L0001672     VOLUME   496779.898 3606389.059 43.13
LOCATION L0001673     VOLUME   496776.619 3606389.095 43.06
LOCATION L0001674     VOLUME   496773.339 3606389.131 42.99
LOCATION L0001675     VOLUME   496770.059 3606389.167 42.92
LOCATION L0001676     VOLUME   496766.779 3606389.203 42.85
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   LOCATION L0001677     VOLUME   496763.499 3606389.239 42.78
   LOCATION L0001678     VOLUME   496760.220 3606389.276 42.71
   LOCATION L0001679     VOLUME   496756.940 3606389.312 42.64
   LOCATION L0001680     VOLUME   496753.660 3606389.348 42.57
   LOCATION L0001681     VOLUME   496750.380 3606389.384 42.49
   LOCATION L0001682     VOLUME   496747.100 3606389.420 42.42
   LOCATION L0001683     VOLUME   496743.821 3606389.456 42.35
   LOCATION L0001684     VOLUME   496740.541 3606389.492 42.27
   LOCATION L0001685     VOLUME   496737.261 3606389.528 42.20
   LOCATION L0001686     VOLUME   496733.981 3606389.564 42.12
   LOCATION L0001687     VOLUME   496730.701 3606389.601 42.05
   LOCATION L0001688     VOLUME   496727.422 3606389.637 41.95
   LOCATION L0001689     VOLUME   496724.142 3606389.673 41.82
   LOCATION L0001690     VOLUME   496720.862 3606389.709 41.69
   LOCATION L0001691     VOLUME   496717.582 3606389.745 41.56
   LOCATION L0001692     VOLUME   496714.302 3606389.781 41.43
   LOCATION L0001693     VOLUME   496711.023 3606389.817 41.29
   LOCATION L0001694     VOLUME   496707.743 3606389.853 41.16
   LOCATION L0001695     VOLUME   496704.463 3606389.889 41.03
   LOCATION L0001696     VOLUME   496701.183 3606389.926 40.89
   LOCATION L0001697     VOLUME   496697.903 3606389.962 40.73
   LOCATION L0001698     VOLUME   496694.624 3606389.998 40.57
   LOCATION L0001699     VOLUME   496691.344 3606390.034 40.41
   LOCATION L0001700     VOLUME   496688.064 3606390.070 40.26
   LOCATION L0001701     VOLUME   496684.784 3606390.106 40.10
   LOCATION L0001702     VOLUME   496681.504 3606390.142 39.94
   LOCATION L0001703     VOLUME   496678.225 3606390.178 39.78
   LOCATION L0001704     VOLUME   496674.945 3606390.214 39.66
   LOCATION L0001705     VOLUME   496671.665 3606390.251 39.58
   LOCATION L0001706     VOLUME   496668.385 3606390.287 39.51
   LOCATION L0001707     VOLUME   496665.105 3606390.323 39.43
   LOCATION L0001708     VOLUME   496661.826 3606390.359 39.36
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      497086.160  3606629.320       54.370
** DESCRSRC Idle Position 1
   LOCATION STCK2        POINT      497085.270  3606660.680       59.380
** DESCRSRC Idle Position 2
   LOCATION STCK3        POINT      497085.940  3606691.590       62.580
** DESCRSRC Idle Position 3
   LOCATION STCK4        POINT      497086.160  3606731.400       64.210
** DESCRSRC Idle Position 4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC 805 Freeway Northbound Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.15E-06
** Elevated
** Vertical Dimension = 3.66
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** SZINIT = 0.85
** Nodes = 3
** 496660.808, 3606392.737, 39.18, 0.00, 1.53
** 496656.048, 3606447.305, 40.21, 0.00, 1.53
** 496635.811, 3606665.221, 55.96, 0.00, 1.53
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   LOCATION L0001890     VOLUME   496660.380 3606397.638 39.30
   LOCATION L0001891     VOLUME   496660.095 3606400.906 39.28
   LOCATION L0001892     VOLUME   496659.810 3606404.173 39.26
   LOCATION L0001893     VOLUME   496659.525 3606407.441 39.33
   LOCATION L0001894     VOLUME   496659.240 3606410.708 39.51
   LOCATION L0001895     VOLUME   496658.955 3606413.976 39.67
   LOCATION L0001896     VOLUME   496658.670 3606417.244 39.83
   LOCATION L0001897     VOLUME   496658.385 3606420.511 39.97
   LOCATION L0001898     VOLUME   496658.100 3606423.779 40.11
   LOCATION L0001899     VOLUME   496657.815 3606427.046 40.23
   LOCATION L0001900     VOLUME   496657.530 3606430.314 40.34
   LOCATION L0001901     VOLUME   496657.245 3606433.581 40.44
   LOCATION L0001902     VOLUME   496656.960 3606436.849 40.53
   LOCATION L0001903     VOLUME   496656.675 3606440.117 40.67
   LOCATION L0001904     VOLUME   496656.390 3606443.384 40.80
   LOCATION L0001905     VOLUME   496656.105 3606446.652 40.93
   LOCATION L0001906     VOLUME   496655.805 3606449.918 41.04
   LOCATION L0001907     VOLUME   496655.502 3606453.184 41.14
   LOCATION L0001908     VOLUME   496655.198 3606456.450 41.24
   LOCATION L0001909     VOLUME   496654.895 3606459.716 41.33
   LOCATION L0001910     VOLUME   496654.592 3606462.982 41.41
   LOCATION L0001911     VOLUME   496654.288 3606466.248 41.48
   LOCATION L0001912     VOLUME   496653.985 3606469.514 41.57
   LOCATION L0001913     VOLUME   496653.682 3606472.780 41.67
   LOCATION L0001914     VOLUME   496653.379 3606476.046 41.77
   LOCATION L0001915     VOLUME   496653.075 3606479.312 41.86
   LOCATION L0001916     VOLUME   496652.772 3606482.578 41.96
   LOCATION L0001917     VOLUME   496652.469 3606485.844 42.04
   LOCATION L0001918     VOLUME   496652.165 3606489.109 42.13
   LOCATION L0001919     VOLUME   496651.862 3606492.375 42.21
   LOCATION L0001920     VOLUME   496651.559 3606495.641 42.29
   LOCATION L0001921     VOLUME   496651.255 3606498.907 42.39
   LOCATION L0001922     VOLUME   496650.952 3606502.173 42.58
   LOCATION L0001923     VOLUME   496650.649 3606505.439 42.77
   LOCATION L0001924     VOLUME   496650.346 3606508.705 43.03
   LOCATION L0001925     VOLUME   496650.042 3606511.971 43.39
   LOCATION L0001926     VOLUME   496649.739 3606515.237 43.75
   LOCATION L0001927     VOLUME   496649.436 3606518.503 44.10
   LOCATION L0001928     VOLUME   496649.132 3606521.769 44.44
   LOCATION L0001929     VOLUME   496648.829 3606525.035 44.78
   LOCATION L0001930     VOLUME   496648.526 3606528.301 45.12
   LOCATION L0001931     VOLUME   496648.223 3606531.567 45.39
   LOCATION L0001932     VOLUME   496647.919 3606534.833 45.64
   LOCATION L0001933     VOLUME   496647.616 3606538.099 45.89
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   LOCATION L0001934     VOLUME   496647.313 3606541.365 46.13
   LOCATION L0001935     VOLUME   496647.009 3606544.631 46.37
   LOCATION L0001936     VOLUME   496646.706 3606547.897 46.61
   LOCATION L0001937     VOLUME   496646.403 3606551.162 46.84
   LOCATION L0001938     VOLUME   496646.099 3606554.428 47.07
   LOCATION L0001939     VOLUME   496645.796 3606557.694 47.29
   LOCATION L0001940     VOLUME   496645.493 3606560.960 47.56
   LOCATION L0001941     VOLUME   496645.190 3606564.226 47.96
   LOCATION L0001942     VOLUME   496644.886 3606567.492 48.35
   LOCATION L0001943     VOLUME   496644.583 3606570.758 48.72
   LOCATION L0001944     VOLUME   496644.280 3606574.024 49.09
   LOCATION L0001945     VOLUME   496643.976 3606577.290 49.46
   LOCATION L0001946     VOLUME   496643.673 3606580.556 49.81
   LOCATION L0001947     VOLUME   496643.370 3606583.822 50.16
   LOCATION L0001948     VOLUME   496643.066 3606587.088 50.50
   LOCATION L0001949     VOLUME   496642.763 3606590.354 50.83
   LOCATION L0001950     VOLUME   496642.460 3606593.620 51.19
   LOCATION L0001951     VOLUME   496642.157 3606596.886 51.55
   LOCATION L0001952     VOLUME   496641.853 3606600.152 51.89
   LOCATION L0001953     VOLUME   496641.550 3606603.418 52.23
   LOCATION L0001954     VOLUME   496641.247 3606606.684 52.56
   LOCATION L0001955     VOLUME   496640.943 3606609.950 52.88
   LOCATION L0001956     VOLUME   496640.640 3606613.215 53.19
   LOCATION L0001957     VOLUME   496640.337 3606616.481 53.49
   LOCATION L0001958     VOLUME   496640.034 3606619.747 53.78
   LOCATION L0001959     VOLUME   496639.730 3606623.013 54.04
   LOCATION L0001960     VOLUME   496639.427 3606626.279 54.27
   LOCATION L0001961     VOLUME   496639.124 3606629.545 54.50
   LOCATION L0001962     VOLUME   496638.820 3606632.811 54.71
   LOCATION L0001963     VOLUME   496638.517 3606636.077 54.93
   LOCATION L0001964     VOLUME   496638.214 3606639.343 55.14
   LOCATION L0001965     VOLUME   496637.910 3606642.609 55.34
   LOCATION L0001966     VOLUME   496637.607 3606645.875 55.54
   LOCATION L0001967     VOLUME   496637.304 3606649.141 55.73
   LOCATION L0001968     VOLUME   496637.001 3606652.407 55.92
   LOCATION L0001969     VOLUME   496636.697 3606655.673 56.04
   LOCATION L0001970     VOLUME   496636.394 3606658.939 56.15
   LOCATION L0001971     VOLUME   496636.091 3606662.205 56.26
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Main Street from 805 NB Ramp to SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 5.12E-07
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
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** 496657.542, 3606389.788, 39.21, 0.00, 1.53
** 496535.861, 3606385.384, 39.14, 0.00, 1.53
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   LOCATION L0001973     VOLUME   496652.625 3606389.610 39.16
   LOCATION L0001974     VOLUME   496649.347 3606389.492 39.21
   LOCATION L0001975     VOLUME   496646.069 3606389.373 39.53
   LOCATION L0001976     VOLUME   496642.791 3606389.254 39.85
   LOCATION L0001977     VOLUME   496639.514 3606389.136 40.15
   LOCATION L0001978     VOLUME   496636.236 3606389.017 40.46
   LOCATION L0001979     VOLUME   496632.958 3606388.898 40.75
   LOCATION L0001980     VOLUME   496629.680 3606388.780 41.04
   LOCATION L0001981     VOLUME   496626.402 3606388.661 41.33
   LOCATION L0001982     VOLUME   496623.124 3606388.542 41.55
   LOCATION L0001983     VOLUME   496619.846 3606388.424 41.66
   LOCATION L0001984     VOLUME   496616.569 3606388.305 41.77
   LOCATION L0001985     VOLUME   496613.291 3606388.186 41.88
   LOCATION L0001986     VOLUME   496610.013 3606388.068 41.99
   LOCATION L0001987     VOLUME   496606.735 3606387.949 42.09
   LOCATION L0001988     VOLUME   496603.457 3606387.830 42.19
   LOCATION L0001989     VOLUME   496600.179 3606387.712 42.29
   LOCATION L0001990     VOLUME   496596.901 3606387.593 42.32
   LOCATION L0001991     VOLUME   496593.624 3606387.475 42.28
   LOCATION L0001992     VOLUME   496590.346 3606387.356 42.23
   LOCATION L0001993     VOLUME   496587.068 3606387.237 42.18
   LOCATION L0001994     VOLUME   496583.790 3606387.119 42.14
   LOCATION L0001995     VOLUME   496580.512 3606387.000 42.09
   LOCATION L0001996     VOLUME   496577.234 3606386.881 42.05
   LOCATION L0001997     VOLUME   496573.956 3606386.763 42.00
   LOCATION L0001998     VOLUME   496570.679 3606386.644 41.79
   LOCATION L0001999     VOLUME   496567.401 3606386.525 41.41
   LOCATION L0002000     VOLUME   496564.123 3606386.407 41.03
   LOCATION L0002001     VOLUME   496560.845 3606386.288 40.66
   LOCATION L0002002     VOLUME   496557.567 3606386.169 40.30
   LOCATION L0002003     VOLUME   496554.289 3606386.051 39.94
   LOCATION L0002004     VOLUME   496551.012 3606385.932 39.60
   LOCATION L0002005     VOLUME   496547.734 3606385.814 39.26
   LOCATION L0002006     VOLUME   496544.456 3606385.695 39.15
   LOCATION L0002007     VOLUME   496541.178 3606385.576 39.26
   LOCATION L0002008     VOLUME   496537.900 3606385.458 39.37
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC 805 SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.04E-06
** Elevated
** Vertical Dimension = 3.66
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** SZINIT = 0.85
** Nodes = 2
** 496537.129, 3606382.811, 39.16, 0.00, 1.53
** 496567.248, 3606137.652, 39.35, 0.00, 1.53
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   LOCATION L0002121     VOLUME   496537.729 3606377.928 39.24
   LOCATION L0002122     VOLUME   496538.129 3606374.673 39.17
   LOCATION L0002123     VOLUME   496538.529 3606371.417 39.08
   LOCATION L0002124     VOLUME   496538.929 3606368.161 39.00
   LOCATION L0002125     VOLUME   496539.329 3606364.906 38.92
   LOCATION L0002126     VOLUME   496539.729 3606361.650 38.84
   LOCATION L0002127     VOLUME   496540.129 3606358.395 38.76
   LOCATION L0002128     VOLUME   496540.529 3606355.139 38.69
   LOCATION L0002129     VOLUME   496540.929 3606351.884 38.62
   LOCATION L0002130     VOLUME   496541.329 3606348.628 38.55
   LOCATION L0002131     VOLUME   496541.729 3606345.373 38.49
   LOCATION L0002132     VOLUME   496542.129 3606342.117 38.48
   LOCATION L0002133     VOLUME   496542.529 3606338.862 38.48
   LOCATION L0002134     VOLUME   496542.929 3606335.606 38.50
   LOCATION L0002135     VOLUME   496543.329 3606332.351 38.51
   LOCATION L0002136     VOLUME   496543.728 3606329.095 38.53
   LOCATION L0002137     VOLUME   496544.128 3606325.840 38.55
   LOCATION L0002138     VOLUME   496544.528 3606322.584 38.58
   LOCATION L0002139     VOLUME   496544.928 3606319.329 38.61
   LOCATION L0002140     VOLUME   496545.328 3606316.073 38.64
   LOCATION L0002141     VOLUME   496545.728 3606312.818 38.69
   LOCATION L0002142     VOLUME   496546.128 3606309.562 38.77
   LOCATION L0002143     VOLUME   496546.528 3606306.307 38.91
   LOCATION L0002144     VOLUME   496546.928 3606303.051 39.04
   LOCATION L0002145     VOLUME   496547.328 3606299.795 39.17
   LOCATION L0002146     VOLUME   496547.728 3606296.540 39.30
   LOCATION L0002147     VOLUME   496548.128 3606293.284 39.42
   LOCATION L0002148     VOLUME   496548.528 3606290.029 39.54
   LOCATION L0002149     VOLUME   496548.928 3606286.773 39.65
   LOCATION L0002150     VOLUME   496549.328 3606283.518 39.76
   LOCATION L0002151     VOLUME   496549.728 3606280.262 39.87
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   LOCATION L0002153     VOLUME   496550.528 3606273.751 40.09
   LOCATION L0002154     VOLUME   496550.928 3606270.496 40.20
   LOCATION L0002155     VOLUME   496551.328 3606267.240 40.30
   LOCATION L0002156     VOLUME   496551.728 3606263.985 40.39
   LOCATION L0002157     VOLUME   496552.128 3606260.729 40.48
   LOCATION L0002158     VOLUME   496552.528 3606257.474 40.57
   LOCATION L0002159     VOLUME   496552.928 3606254.218 40.65
   LOCATION L0002160     VOLUME   496553.328 3606250.963 40.67
   LOCATION L0002161     VOLUME   496553.727 3606247.707 40.59
   LOCATION L0002162     VOLUME   496554.127 3606244.452 40.50
   LOCATION L0002163     VOLUME   496554.527 3606241.196 40.42
   LOCATION L0002164     VOLUME   496554.927 3606237.941 40.34
   LOCATION L0002165     VOLUME   496555.327 3606234.685 40.27
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   LOCATION L0002166     VOLUME   496555.727 3606231.429 40.19
   LOCATION L0002167     VOLUME   496556.127 3606228.174 40.12
   LOCATION L0002168     VOLUME   496556.527 3606224.918 40.05
   LOCATION L0002169     VOLUME   496556.927 3606221.663 39.99
   LOCATION L0002170     VOLUME   496557.327 3606218.407 39.91
   LOCATION L0002171     VOLUME   496557.727 3606215.152 39.83
   LOCATION L0002172     VOLUME   496558.127 3606211.896 39.76
   LOCATION L0002173     VOLUME   496558.527 3606208.641 39.68
   LOCATION L0002174     VOLUME   496558.927 3606205.385 39.62
   LOCATION L0002175     VOLUME   496559.327 3606202.130 39.55
   LOCATION L0002176     VOLUME   496559.727 3606198.874 39.49
   LOCATION L0002177     VOLUME   496560.127 3606195.619 39.43
   LOCATION L0002178     VOLUME   496560.527 3606192.363 39.38
   LOCATION L0002179     VOLUME   496560.927 3606189.108 39.32
   LOCATION L0002180     VOLUME   496561.327 3606185.852 39.27
   LOCATION L0002181     VOLUME   496561.727 3606182.597 39.22
   LOCATION L0002182     VOLUME   496562.127 3606179.341 39.17
   LOCATION L0002183     VOLUME   496562.527 3606176.086 39.13
   LOCATION L0002184     VOLUME   496562.927 3606172.830 39.09
   LOCATION L0002185     VOLUME   496563.326 3606169.575 39.05
   LOCATION L0002186     VOLUME   496563.726 3606166.319 39.02
   LOCATION L0002187     VOLUME   496564.126 3606163.063 39.00
   LOCATION L0002188     VOLUME   496564.526 3606159.808 38.97
   LOCATION L0002189     VOLUME   496564.926 3606156.552 38.98
   LOCATION L0002190     VOLUME   496565.326 3606153.297 38.99
   LOCATION L0002191     VOLUME   496565.726 3606150.041 39.00
   LOCATION L0002192     VOLUME   496566.126 3606146.786 39.01
   LOCATION L0002193     VOLUME   496566.526 3606143.530 39.03
   LOCATION L0002194     VOLUME   496566.926 3606140.275 39.04
** End of LINE VOLUME Source ID = SLINE7
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001371     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001372     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001373     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001374     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001375     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001376     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001377     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001378     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001379     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001380     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001381     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001382     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001383     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001384     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001385     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001386     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001387     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001388     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001389     0.00000003582      0.00      1.53      0.85
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   SRCPARAM L0001393     0.00000003582      0.00      1.53      0.85
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   SRCPARAM L0001396     0.00000003582      0.00      1.53      0.85
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   SRCPARAM L0001398     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001399     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001400     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001401     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001402     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001403     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001404     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001405     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001406     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001407     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001408     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001409     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001410     0.00000003582      0.00      1.53      0.85
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   SRCPARAM L0001412     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001413     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001414     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001415     0.00000003582      0.00      1.53      0.85
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   SRCPARAM L0001435     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001436     0.00000003582      0.00      1.53      0.85
   SRCPARAM L0001437     0.00000003582      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0001438     0.00000002737      0.00      1.53      0.85
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   SRCPARAM L0001441     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001442     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001443     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001444     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001445     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001446     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001447     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001448     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001449     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001450     0.00000002737      0.00      1.53      0.85
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   SRCPARAM L0001452     0.00000002737      0.00      1.53      0.85
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   SRCPARAM L0001459     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001460     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001461     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001462     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001463     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001464     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001465     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001466     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001467     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001468     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001469     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001470     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001471     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001472     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001473     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001474     0.00000002737      0.00      1.53      0.85
   SRCPARAM L0001475     0.00000002737      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001476     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001477     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001478     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001479     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001480     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001481     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001482     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001483     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001484     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001485     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001486     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001487     0.00000002755      0.00      1.53      0.85
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   SRCPARAM L0001488     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001489     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001490     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001491     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001492     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001493     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001494     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001495     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001496     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001497     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001498     0.00000002755      0.00      1.53      0.85
   SRCPARAM L0001499     0.00000002755      0.00      1.53      0.85
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   SRCPARAM L0001528     0.00000002755      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0001529     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001530     0.00000002761      0.00      1.53      0.85
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   SRCPARAM L0001533     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001534     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001535     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001536     0.00000002761      0.00      1.53      0.85
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SRCPARAM L0001638     0.00000002761      0.00      1.53      0.85
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SRCPARAM L0001641     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001642     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001643     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001644     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001645     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001646     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001647     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001648     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001649     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001650     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001651     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001652     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001653     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001654     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001655     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001656     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001657     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001658     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001659     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001660     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001661     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001662     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001663     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001664     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001665     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001666     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001667     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001668     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001669     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001670     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001671     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001672     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001673     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001674     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001675     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001676     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001677     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001678     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001679     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001680     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001681     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001682     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001683     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001684     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001685     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001686     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001687     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001688     0.00000002761      0.00      1.53      0.85
SRCPARAM L0001689     0.00000002761      0.00      1.53      0.85
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   SRCPARAM L0001690     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001691     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001692     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001693     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001694     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001695     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001696     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001697     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001698     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001699     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001700     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001701     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001702     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001703     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001704     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001705     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001706     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001707     0.00000002761      0.00      1.53      0.85
   SRCPARAM L0001708     0.00000002761      0.00      1.53      0.85
** ------------------------------------------------------------------
   SRCPARAM STCK1         6.25E-06     3.658   366.000  51.90000     0.100
   SRCPARAM STCK2         6.25E-06     3.658   366.000  51.90000     0.100
   SRCPARAM STCK3         6.25E-06     3.658   366.000 551.90000     0.100
   SRCPARAM STCK4         6.25E-06     3.658   366.000  51.90000     0.100
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0001889     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001890     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001891     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001892     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001893     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001894     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001895     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001896     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001897     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001898     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001899     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001900     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001901     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001902     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001903     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001904     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001905     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001906     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001907     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001908     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001909     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001910     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001911     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001912     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001913     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001914     0.00000001386      0.00      1.53      0.85
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SRCPARAM L0001915     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001916     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001917     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001918     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001919     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001920     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001921     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001922     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001923     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001924     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001925     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001926     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001927     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001928     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001929     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001930     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001931     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001932     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001933     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001934     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001935     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001936     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001937     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001938     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001939     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001940     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001941     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001942     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001943     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001944     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001945     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001946     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001947     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001948     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001949     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001950     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001951     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001952     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001953     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001954     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001955     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001956     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001957     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001958     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001959     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001960     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001961     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001962     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001963     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001964     0.00000001386      0.00      1.53      0.85
SRCPARAM L0001965     0.00000001386      0.00      1.53      0.85
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   SRCPARAM L0001966     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001967     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001968     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001969     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001970     0.00000001386      0.00      1.53      0.85
   SRCPARAM L0001971     0.00000001386      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0001972     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001973     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001974     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001975     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001976     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001977     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001978     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001979     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001980     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001981     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001982     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001983     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001984     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001985     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001986     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001987     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001988     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001989     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001990     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001991     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001992     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001993     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001994     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001995     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001996     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001997     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001998     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0001999     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002000     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002001     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002002     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002003     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002004     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002005     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002006     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002007     0.00000001384      0.00      1.53      0.85
   SRCPARAM L0002008     0.00000001384      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0002120     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002121     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002122     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002123     0.00000001387      0.00      1.53      0.85
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SRCPARAM L0002124     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002125     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002126     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002127     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002128     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002129     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002130     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002131     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002132     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002133     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002134     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002135     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002136     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002137     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002138     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002139     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002140     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002141     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002142     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002143     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002144     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002145     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002146     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002147     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002148     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002149     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002150     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002151     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002152     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002153     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002154     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002155     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002156     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002157     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002158     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002159     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002160     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002161     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002162     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002163     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002164     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002165     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002166     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002167     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002168     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002169     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002170     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002171     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002172     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002173     0.00000001387      0.00      1.53      0.85
SRCPARAM L0002174     0.00000001387      0.00      1.53      0.85
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   SRCPARAM L0002175     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002176     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002177     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002178     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002179     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002180     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002181     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002182     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002183     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002184     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002185     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002186     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002187     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002188     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002189     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002190     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002191     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002192     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002193     0.00000001387      0.00      1.53      0.85
   SRCPARAM L0002194     0.00000001387      0.00      1.53      0.85
** ------------------------------------------------------------------

** Building Downwash **
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
```

BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK4	164.25	138.47	108.47	134.62	161.13	183.02

BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN	STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN	STCK4	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
XBADJ	STCK1	-61.02	-75.09	-86.87	-96.02	-102.25	-105.37
XBADJ	STCK1	-105.29	-102.01	-95.63	-116.76	-136.70	-152.49
XBADJ	STCK1	-163.64	-169.83	-170.85	-166.68	-157.45	-143.43
XBADJ	STCK1	-141.44	-136.53	-127.48	-114.66	-98.83	-80.00
XBADJ	STCK1	-58.97	-36.46	-12.84	-17.86	-24.43	-30.53
XBADJ	STCK1	-35.71	-39.80	-42.90	-45.08	-45.88	-45.29
XBADJ	STCK2	-91.75	-104.25	-113.59	-119.47	-121.72	-120.28
XBADJ	STCK2	-115.18	-106.58	-94.74	-110.44	-125.14	-136.04
XBADJ	STCK2	-142.80	-145.23	-143.25	-136.91	-126.41	-112.07
XBADJ	STCK2	-110.71	-107.37	-100.77	-91.21	-79.36	-65.09
XBADJ	STCK2	-49.08	-31.89	-13.73	-24.18	-35.99	-46.98
XBADJ	STCK2	-56.55	-64.40	-70.51	-74.85	-76.92	-76.65
XBADJ	STCK3	-122.31	-133.53	-140.69	-143.58	-142.10	-136.31
XBADJ	STCK3	-126.38	-112.61	-95.41	-105.73	-115.20	-121.16
XBADJ	STCK3	-123.45	-121.98	-116.81	-108.09	-96.08	-81.16
XBADJ	STCK3	-80.16	-78.09	-73.66	-67.10	-58.97	-49.06
XBADJ	STCK3	-37.88	-25.86	-13.06	-28.89	-45.93	-61.86
XBADJ	STCK3	-75.91	-87.65	-96.94	-103.67	-107.24	-107.56
XBADJ	STCK4	-161.55	-171.01	-175.28	-174.22	-167.86	-156.41
XBADJ	STCK4	-140.20	-119.73	-95.63	-99.03	-101.79	-101.45
XBADJ	STCK4	-98.03	-91.63	-82.45	-70.76	-56.92	-41.35
XBADJ	STCK4	-40.91	-40.61	-39.08	-36.46	-33.22	-28.96
XBADJ	STCK4	-24.05	-18.73	-12.84	-35.59	-59.34	-81.57
XBADJ	STCK4	-101.33	-118.00	-131.31	-141.00	-146.41	-147.37
YBADJ	STCK1	49.45	56.14	60.98	63.97	65.01	63.97
YBADJ	STCK1	60.80	55.78	49.07	40.21	30.72	20.30
YBADJ	STCK1	9.32	-1.71	-12.68	-23.16	-32.78	-41.40
YBADJ	STCK1	-49.45	-56.14	-60.98	-63.97	-65.01	-63.97
YBADJ	STCK1	-60.80	-55.78	-49.07	-40.21	-30.72	-20.30
YBADJ	STCK1	-9.32	1.71	12.68	23.16	32.78	41.40
YBADJ	STCK2	43.13	44.57	44.53	43.13	40.42	36.37
YBADJ	STCK2	31.03	24.75	17.71	9.48	1.56	-6.41
YBADJ	STCK2	-14.13	-21.18	-27.59	-33.05	-37.34	-40.51
YBADJ	STCK2	-43.13	-44.57	-44.53	-43.13	-40.42	-36.37
YBADJ	STCK2	-31.03	-24.75	-17.71	-9.48	-1.56	6.41
YBADJ	STCK2	14.13	21.18	27.59	33.05	37.34	40.51
YBADJ	STCK3	38.42	34.63	29.65	23.77	17.17	9.94
YBADJ	STCK3	2.21	-5.58	-13.20	-21.08	-27.72	-33.51
YBADJ	STCK3	-38.24	-41.56	-43.63	-44.25	-43.37	-41.17
YBADJ	STCK3	-38.42	-34.63	-29.65	-23.77	-17.17	-9.94

```
   YBADJ    STCK3           -2.21     5.58    13.20    21.08    27.72    33.51
   YBADJ    STCK3           38.24    41.56    43.63    44.25    43.37    41.17

   YBADJ    STCK4           31.72    21.22     9.94    -1.65   -13.19   -24.43
   YBADJ    STCK4          -35.12   -44.75   -53.01   -60.32   -65.20   -68.10
   YBADJ    STCK4          -68.88   -67.32   -63.72   -58.07   -50.50   -41.39
   YBADJ    STCK4          -31.72   -21.22    -9.94     1.65    13.19    24.43
   YBADJ    STCK4           35.12    44.75    53.01    60.32    65.20    68.10
   YBADJ    STCK4           68.88    67.32    63.72    58.07    50.50    41.39

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Shinohara HRA - 1st 14 yrs.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC
   PROFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
   SURFDATA 3178 2009
   UAIRDATA 3190 2009
   PROFBASE 157.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "SHINOHARA HRA - 1ST 14 YRS.AD\PE00GALL.PLT" 31
   SUMMFILE "Shinohara HRA - 1st 14 yrs.sum"
OU FINISHED


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

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

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


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


   ********   WARNING MESSAGES   ********
SO W320    1041        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1042        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1043        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1044        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

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

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 537 Source(s);   1 Source Group(s); and   451 Receptor(s)

               with: 4 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 533 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

```
**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs 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) =   157.00 ;  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:   Shinohara HRA - 1st 14 yrs.err
**File for Summary of Results:   Shinohara HRA - 1st 14 yrs.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.62500E-05	497086.2	3606629.3	54.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK2	0	0.62500E-05	497085.3	3606660.7	59.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK3	0	0.62500E-05	497085.9	3606691.6	62.6	3.66	366.00	551.90	0.10	YES	NO	NO	
STCK4	0	0.62500E-05	497086.2	3606731.4	64.2	3.66	366.00	51.90	0.10	YES	NO	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001371	0	0.35820E-07	497124.0	3606564.8	46.9	0.00	1.53	0.85	NO	
L0001372	0	0.35820E-07	497121.7	3606567.2	46.8	0.00	1.53	0.85	NO	
L0001373	0	0.35820E-07	497119.5	3606569.6	46.7	0.00	1.53	0.85	NO	
L0001374	0	0.35820E-07	497117.2	3606572.0	46.9	0.00	1.53	0.85	NO	
L0001375	0	0.35820E-07	497115.8	3606574.9	47.2	0.00	1.53	0.85	NO	
L0001376	0	0.35820E-07	497114.7	3606578.0	47.4	0.00	1.53	0.85	NO	
L0001377	0	0.35820E-07	497113.6	3606581.1	47.7	0.00	1.53	0.85	NO	
L0001378	0	0.35820E-07	497112.5	3606584.2	47.9	0.00	1.53	0.85	NO	
L0001379	0	0.35820E-07	497111.5	3606587.3	48.1	0.00	1.53	0.85	NO	
L0001380	0	0.35820E-07	497111.5	3606590.5	48.4	0.00	1.53	0.85	NO	
L0001381	0	0.35820E-07	497111.6	3606593.8	48.7	0.00	1.53	0.85	NO	
L0001382	0	0.35820E-07	497111.7	3606597.1	48.9	0.00	1.53	0.85	NO	
L0001383	0	0.35820E-07	497111.8	3606600.4	49.2	0.00	1.53	0.85	NO	
L0001384	0	0.35820E-07	497111.9	3606603.7	49.5	0.00	1.53	0.85	NO	
L0001385	0	0.35820E-07	497112.0	3606606.9	49.8	0.00	1.53	0.85	NO	
L0001386	0	0.35820E-07	497112.1	3606610.2	50.1	0.00	1.53	0.85	NO	
L0001387	0	0.35820E-07	497112.2	3606613.5	50.4	0.00	1.53	0.85	NO	
L0001388	0	0.35820E-07	497112.3	3606616.8	50.6	0.00	1.53	0.85	NO	
L0001389	0	0.35820E-07	497112.3	3606620.1	50.9	0.00	1.53	0.85	NO	
L0001390	0	0.35820E-07	497112.4	3606623.3	51.2	0.00	1.53	0.85	NO	
L0001391	0	0.35820E-07	497112.5	3606626.6	51.5	0.00	1.53	0.85	NO	
L0001392	0	0.35820E-07	497112.6	3606629.9	51.8	0.00	1.53	0.85	NO	
L0001393	0	0.35820E-07	497112.7	3606633.2	52.1	0.00	1.53	0.85	NO	
L0001394	0	0.35820E-07	497112.8	3606636.5	52.4	0.00	1.53	0.85	NO	
L0001395	0	0.35820E-07	497112.9	3606639.7	52.7	0.00	1.53	0.85	NO	
L0001396	0	0.35820E-07	497113.0	3606643.0	53.0	0.00	1.53	0.85	NO	
L0001397	0	0.35820E-07	497113.1	3606646.3	53.3	0.00	1.53	0.85	NO	
L0001398	0	0.35820E-07	497113.1	3606649.6	53.6	0.00	1.53	0.85	NO	
L0001399	0	0.35820E-07	497113.2	3606652.8	53.9	0.00	1.53	0.85	NO	
L0001400	0	0.35820E-07	497113.3	3606656.1	54.3	0.00	1.53	0.85	NO	
L0001401	0	0.35820E-07	497113.3	3606659.4	54.7	0.00	1.53	0.85	NO	
L0001402	0	0.35820E-07	497113.3	3606662.7	55.1	0.00	1.53	0.85	NO	
L0001403	0	0.35820E-07	497113.3	3606666.0	55.5	0.00	1.53	0.85	NO	
L0001404	0	0.35820E-07	497113.3	3606669.2	56.0	0.00	1.53	0.85	NO	
L0001405	0	0.35820E-07	497113.3	3606672.5	56.4	0.00	1.53	0.85	NO	
L0001406	0	0.35820E-07	497113.3	3606675.8	56.8	0.00	1.53	0.85	NO	
L0001407	0	0.35820E-07	497113.3	3606679.1	57.2	0.00	1.53	0.85	NO	
L0001408	0	0.35820E-07	497113.3	3606682.4	57.6	0.00	1.53	0.85	NO	

L0001409	0	0.35820E-07	497113.3	3606685.6	58.0	0.00	1.53	0.85	NO
L0001410	0	0.35820E-07	497113.3	3606688.9	58.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001411	0	0.35820E-07	497113.3	3606692.2	58.7	0.00	1.53	0.85	NO	
L0001412	0	0.35820E-07	497113.3	3606695.5	59.1	0.00	1.53	0.85	NO	
L0001413	0	0.35820E-07	497113.3	3606698.8	59.5	0.00	1.53	0.85	NO	
L0001414	0	0.35820E-07	497113.3	3606702.0	59.9	0.00	1.53	0.85	NO	
L0001415	0	0.35820E-07	497113.3	3606705.3	60.3	0.00	1.53	0.85	NO	
L0001416	0	0.35820E-07	497113.3	3606708.6	60.7	0.00	1.53	0.85	NO	
L0001417	0	0.35820E-07	497113.3	3606711.9	61.1	0.00	1.53	0.85	NO	
L0001418	0	0.35820E-07	497113.3	3606715.2	61.5	0.00	1.53	0.85	NO	
L0001419	0	0.35820E-07	497113.3	3606718.4	61.9	0.00	1.53	0.85	NO	
L0001420	0	0.35820E-07	497113.3	3606721.7	62.3	0.00	1.53	0.85	NO	
L0001421	0	0.35820E-07	497113.3	3606725.0	62.7	0.00	1.53	0.85	NO	
L0001422	0	0.35820E-07	497113.3	3606728.3	63.1	0.00	1.53	0.85	NO	
L0001423	0	0.35820E-07	497113.3	3606731.6	63.6	0.00	1.53	0.85	NO	
L0001424	0	0.35820E-07	497113.3	3606734.8	64.0	0.00	1.53	0.85	NO	
L0001425	0	0.35820E-07	497113.3	3606738.1	64.4	0.00	1.53	0.85	NO	
L0001426	0	0.35820E-07	497113.3	3606741.4	64.8	0.00	1.53	0.85	NO	
L0001427	0	0.35820E-07	497113.3	3606744.7	65.2	0.00	1.53	0.85	NO	
L0001428	0	0.35820E-07	497113.3	3606748.0	66.0	0.00	1.53	0.85	NO	
L0001429	0	0.35820E-07	497113.3	3606751.2	66.8	0.00	1.53	0.85	NO	
L0001430	0	0.35820E-07	497113.3	3606754.5	67.6	0.00	1.53	0.85	NO	
L0001431	0	0.35820E-07	497113.3	3606757.8	68.4	0.00	1.53	0.85	NO	
L0001432	0	0.35820E-07	497113.3	3606761.1	69.2	0.00	1.53	0.85	NO	
L0001433	0	0.35820E-07	497113.3	3606764.4	70.0	0.00	1.53	0.85	NO	
L0001434	0	0.35820E-07	497113.3	3606767.6	70.8	0.00	1.53	0.85	NO	
L0001435	0	0.35820E-07	497113.3	3606770.9	71.6	0.00	1.53	0.85	NO	
L0001436	0	0.35820E-07	497113.3	3606774.2	72.4	0.00	1.53	0.85	NO	
L0001437	0	0.35820E-07	497113.3	3606777.5	72.9	0.00	1.53	0.85	NO	
L0001438	0	0.27370E-07	497127.2	3606561.3	46.9	0.00	1.53	0.85	NO	
L0001439	0	0.27370E-07	497130.0	3606560.3	47.1	0.00	1.53	0.85	NO	
L0001440	0	0.27370E-07	497133.2	3606560.2	47.5	0.00	1.53	0.85	NO	
L0001441	0	0.27370E-07	497136.5	3606560.2	47.8	0.00	1.53	0.85	NO	
L0001442	0	0.27370E-07	497139.8	3606560.2	48.2	0.00	1.53	0.85	NO	
L0001443	0	0.27370E-07	497143.1	3606560.2	48.5	0.00	1.53	0.85	NO	
L0001444	0	0.27370E-07	497146.4	3606560.2	48.8	0.00	1.53	0.85	NO	
L0001445	0	0.27370E-07	497149.6	3606560.1	48.7	0.00	1.53	0.85	NO	
L0001446	0	0.27370E-07	497152.9	3606560.1	48.6	0.00	1.53	0.85	NO	
L0001447	0	0.27370E-07	497156.2	3606560.1	48.5	0.00	1.53	0.85	NO	
L0001448	0	0.27370E-07	497159.5	3606560.1	48.4	0.00	1.53	0.85	NO	

L0001449	0	0.27370E-07	497162.8	3606560.1	48.3	0.00	1.53	0.85	NO
L0001450	0	0.27370E-07	497166.0	3606560.0	48.1	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001451	0	0.27370E-07	497169.3	3606560.0	48.0	0.00	1.53	0.85	NO	
L0001452	0	0.27370E-07	497172.6	3606560.0	48.0	0.00	1.53	0.85	NO	
L0001453	0	0.27370E-07	497175.9	3606560.0	48.0	0.00	1.53	0.85	NO	
L0001454	0	0.27370E-07	497179.2	3606560.0	48.1	0.00	1.53	0.85	NO	
L0001455	0	0.27370E-07	497182.4	3606559.9	48.1	0.00	1.53	0.85	NO	
L0001456	0	0.27370E-07	497185.7	3606559.9	48.2	0.00	1.53	0.85	NO	
L0001457	0	0.27370E-07	497189.0	3606559.9	48.2	0.00	1.53	0.85	NO	
L0001458	0	0.27370E-07	497192.3	3606559.9	48.2	0.00	1.53	0.85	NO	
L0001459	0	0.27370E-07	497195.6	3606559.9	48.3	0.00	1.53	0.85	NO	
L0001460	0	0.27370E-07	497198.8	3606559.9	48.3	0.00	1.53	0.85	NO	
L0001461	0	0.27370E-07	497202.1	3606559.8	48.4	0.00	1.53	0.85	NO	
L0001462	0	0.27370E-07	497205.4	3606559.8	48.4	0.00	1.53	0.85	NO	
L0001463	0	0.27370E-07	497208.7	3606559.8	48.4	0.00	1.53	0.85	NO	
L0001464	0	0.27370E-07	497212.0	3606559.8	48.4	0.00	1.53	0.85	NO	
L0001465	0	0.27370E-07	497215.2	3606559.8	48.4	0.00	1.53	0.85	NO	
L0001466	0	0.27370E-07	497218.5	3606559.7	48.4	0.00	1.53	0.85	NO	
L0001467	0	0.27370E-07	497221.8	3606559.7	48.5	0.00	1.53	0.85	NO	
L0001468	0	0.27370E-07	497225.1	3606559.7	48.5	0.00	1.53	0.85	NO	
L0001469	0	0.27370E-07	497228.4	3606559.7	48.5	0.00	1.53	0.85	NO	
L0001470	0	0.27370E-07	497231.6	3606559.7	48.4	0.00	1.53	0.85	NO	
L0001471	0	0.27370E-07	497234.9	3606559.6	48.4	0.00	1.53	0.85	NO	
L0001472	0	0.27370E-07	497238.2	3606559.6	48.4	0.00	1.53	0.85	NO	
L0001473	0	0.27370E-07	497241.5	3606559.6	48.4	0.00	1.53	0.85	NO	
L0001474	0	0.27370E-07	497244.8	3606559.6	48.3	0.00	1.53	0.85	NO	
L0001475	0	0.27370E-07	497248.0	3606559.6	48.3	0.00	1.53	0.85	NO	
L0001476	0	0.27550E-07	497250.0	3606557.6	48.2	0.00	1.53	0.85	NO	
L0001477	0	0.27550E-07	497250.0	3606554.3	48.1	0.00	1.53	0.85	NO	
L0001478	0	0.27550E-07	497250.0	3606551.0	48.0	0.00	1.53	0.85	NO	
L0001479	0	0.27550E-07	497250.1	3606547.8	47.9	0.00	1.53	0.85	NO	
L0001480	0	0.27550E-07	497250.1	3606544.5	47.8	0.00	1.53	0.85	NO	
L0001481	0	0.27550E-07	497250.1	3606541.2	47.7	0.00	1.53	0.85	NO	
L0001482	0	0.27550E-07	497250.1	3606537.9	47.6	0.00	1.53	0.85	NO	
L0001483	0	0.27550E-07	497250.2	3606534.6	47.5	0.00	1.53	0.85	NO	
L0001484	0	0.27550E-07	497250.2	3606531.4	47.4	0.00	1.53	0.85	NO	
L0001485	0	0.27550E-07	497250.2	3606528.1	47.3	0.00	1.53	0.85	NO	
L0001486	0	0.27550E-07	497250.2	3606524.8	47.1	0.00	1.53	0.85	NO	
L0001487	0	0.27550E-07	497250.2	3606521.5	47.0	0.00	1.53	0.85	NO	
L0001488	0	0.27550E-07	497250.3	3606518.2	46.9	0.00	1.53	0.85	NO	

L0001489	0	0.27550E-07	497250.3	3606515.0	46.8	0.00	1.53	0.85	NO
L0001490	0	0.27550E-07	497250.3	3606511.7	46.6	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001491	0	0.27550E-07	497250.3	3606508.4	46.5	0.00	1.53	0.85	NO	
L0001492	0	0.27550E-07	497250.4	3606505.1	46.4	0.00	1.53	0.85	NO	
L0001493	0	0.27550E-07	497250.4	3606501.8	46.3	0.00	1.53	0.85	NO	
L0001494	0	0.27550E-07	497250.4	3606498.6	46.1	0.00	1.53	0.85	NO	
L0001495	0	0.27550E-07	497250.4	3606495.3	46.0	0.00	1.53	0.85	NO	
L0001496	0	0.27550E-07	497250.5	3606492.0	45.8	0.00	1.53	0.85	NO	
L0001497	0	0.27550E-07	497250.5	3606488.7	45.7	0.00	1.53	0.85	NO	
L0001498	0	0.27550E-07	497250.5	3606485.4	45.5	0.00	1.53	0.85	NO	
L0001499	0	0.27550E-07	497250.5	3606482.2	45.4	0.00	1.53	0.85	NO	
L0001500	0	0.27550E-07	497250.5	3606478.9	45.2	0.00	1.53	0.85	NO	
L0001501	0	0.27550E-07	497250.6	3606475.6	45.1	0.00	1.53	0.85	NO	
L0001502	0	0.27550E-07	497250.6	3606472.3	44.9	0.00	1.53	0.85	NO	
L0001503	0	0.27550E-07	497250.6	3606469.0	44.8	0.00	1.53	0.85	NO	
L0001504	0	0.27550E-07	497250.6	3606465.8	44.6	0.00	1.53	0.85	NO	
L0001505	0	0.27550E-07	497250.7	3606462.5	44.4	0.00	1.53	0.85	NO	
L0001506	0	0.27550E-07	497250.7	3606459.2	44.2	0.00	1.53	0.85	NO	
L0001507	0	0.27550E-07	497250.7	3606455.9	44.1	0.00	1.53	0.85	NO	
L0001508	0	0.27550E-07	497250.7	3606452.6	43.9	0.00	1.53	0.85	NO	
L0001509	0	0.27550E-07	497250.8	3606449.4	43.7	0.00	1.53	0.85	NO	
L0001510	0	0.27550E-07	497250.8	3606446.1	43.5	0.00	1.53	0.85	NO	
L0001511	0	0.27550E-07	497250.8	3606442.8	43.4	0.00	1.53	0.85	NO	
L0001512	0	0.27550E-07	497250.8	3606439.5	43.2	0.00	1.53	0.85	NO	
L0001513	0	0.27550E-07	497250.8	3606436.2	43.0	0.00	1.53	0.85	NO	
L0001514	0	0.27550E-07	497250.9	3606433.0	42.9	0.00	1.53	0.85	NO	
L0001515	0	0.27550E-07	497250.9	3606429.7	42.8	0.00	1.53	0.85	NO	
L0001516	0	0.27550E-07	497250.9	3606426.4	42.6	0.00	1.53	0.85	NO	
L0001517	0	0.27550E-07	497250.9	3606423.1	42.5	0.00	1.53	0.85	NO	
L0001518	0	0.27550E-07	497251.0	3606419.8	42.3	0.00	1.53	0.85	NO	
L0001519	0	0.27550E-07	497251.0	3606416.6	42.2	0.00	1.53	0.85	NO	
L0001520	0	0.27550E-07	497251.0	3606413.3	42.1	0.00	1.53	0.85	NO	
L0001521	0	0.27550E-07	497251.0	3606410.0	41.9	0.00	1.53	0.85	NO	
L0001522	0	0.27550E-07	497251.1	3606406.7	41.8	0.00	1.53	0.85	NO	
L0001523	0	0.27550E-07	497251.1	3606403.4	41.8	0.00	1.53	0.85	NO	
L0001524	0	0.27550E-07	497251.1	3606400.2	41.8	0.00	1.53	0.85	NO	
L0001525	0	0.27550E-07	497251.1	3606396.9	41.9	0.00	1.53	0.85	NO	
L0001526	0	0.27550E-07	497251.1	3606393.6	41.9	0.00	1.53	0.85	NO	
L0001527	0	0.27550E-07	497251.2	3606390.3	41.9	0.00	1.53	0.85	NO	
L0001528	0	0.27550E-07	497251.2	3606387.0	42.0	0.00	1.53	0.85	NO	

L0001529	0	0.27610E-07	497248.9	3606383.9	42.0	0.00	1.53	0.85	NO
L0001530	0	0.27610E-07	497245.6	3606383.9	42.0	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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L0001531	0	0.27610E-07	497242.3	3606384.0	42.1	0.00	1.53	0.85	NO	
L0001532	0	0.27610E-07	497239.1	3606384.0	42.1	0.00	1.53	0.85	NO	
L0001533	0	0.27610E-07	497235.8	3606384.0	42.1	0.00	1.53	0.85	NO	
L0001534	0	0.27610E-07	497232.5	3606384.1	42.2	0.00	1.53	0.85	NO	
L0001535	0	0.27610E-07	497229.2	3606384.1	42.2	0.00	1.53	0.85	NO	
L0001536	0	0.27610E-07	497226.0	3606384.1	42.3	0.00	1.53	0.85	NO	
L0001537	0	0.27610E-07	497222.7	3606384.2	42.3	0.00	1.53	0.85	NO	
L0001538	0	0.27610E-07	497219.4	3606384.2	42.3	0.00	1.53	0.85	NO	
L0001539	0	0.27610E-07	497216.1	3606384.3	42.3	0.00	1.53	0.85	NO	
L0001540	0	0.27610E-07	497212.8	3606384.3	42.3	0.00	1.53	0.85	NO	
L0001541	0	0.27610E-07	497209.6	3606384.3	42.2	0.00	1.53	0.85	NO	
L0001542	0	0.27610E-07	497206.3	3606384.4	42.2	0.00	1.53	0.85	NO	
L0001543	0	0.27610E-07	497203.0	3606384.4	42.2	0.00	1.53	0.85	NO	
L0001544	0	0.27610E-07	497199.7	3606384.4	42.2	0.00	1.53	0.85	NO	
L0001545	0	0.27610E-07	497196.4	3606384.5	42.2	0.00	1.53	0.85	NO	
L0001546	0	0.27610E-07	497193.2	3606384.5	42.2	0.00	1.53	0.85	NO	
L0001547	0	0.27610E-07	497189.9	3606384.5	42.2	0.00	1.53	0.85	NO	
L0001548	0	0.27610E-07	497186.6	3606384.6	42.2	0.00	1.53	0.85	NO	
L0001549	0	0.27610E-07	497183.3	3606384.6	42.2	0.00	1.53	0.85	NO	
L0001550	0	0.27610E-07	497180.0	3606384.7	42.2	0.00	1.53	0.85	NO	
L0001551	0	0.27610E-07	497176.8	3606384.7	42.2	0.00	1.53	0.85	NO	
L0001552	0	0.27610E-07	497173.5	3606384.7	42.2	0.00	1.53	0.85	NO	
L0001553	0	0.27610E-07	497170.2	3606384.8	42.2	0.00	1.53	0.85	NO	
L0001554	0	0.27610E-07	497166.9	3606384.8	42.2	0.00	1.53	0.85	NO	
L0001555	0	0.27610E-07	497163.6	3606384.8	42.2	0.00	1.53	0.85	NO	
L0001556	0	0.27610E-07	497160.4	3606384.9	42.2	0.00	1.53	0.85	NO	
L0001557	0	0.27610E-07	497157.1	3606384.9	42.2	0.00	1.53	0.85	NO	
L0001558	0	0.27610E-07	497153.8	3606384.9	42.2	0.00	1.53	0.85	NO	
L0001559	0	0.27610E-07	497150.5	3606385.0	42.2	0.00	1.53	0.85	NO	
L0001560	0	0.27610E-07	497147.2	3606385.0	42.2	0.00	1.53	0.85	NO	
L0001561	0	0.27610E-07	497144.0	3606385.1	42.2	0.00	1.53	0.85	NO	
L0001562	0	0.27610E-07	497140.7	3606385.1	42.1	0.00	1.53	0.85	NO	
L0001563	0	0.27610E-07	497137.4	3606385.1	42.0	0.00	1.53	0.85	NO	
L0001564	0	0.27610E-07	497134.1	3606385.2	41.8	0.00	1.53	0.85	NO	
L0001565	0	0.27610E-07	497130.8	3606385.2	41.7	0.00	1.53	0.85	NO	
L0001566	0	0.27610E-07	497127.6	3606385.2	41.6	0.00	1.53	0.85	NO	
L0001567	0	0.27610E-07	497124.3	3606385.3	41.5	0.00	1.53	0.85	NO	
L0001568	0	0.27610E-07	497121.0	3606385.3	41.4	0.00	1.53	0.85	NO	

L0001569	0	0.27610E-07	497117.7	3606385.3	41.3	0.00	1.53	0.85	NO
L0001570	0	0.27610E-07	497114.4	3606385.4	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001571	0	0.27610E-07	497111.2	3606385.4	41.4	0.00	1.53	0.85	NO	
L0001572	0	0.27610E-07	497107.9	3606385.4	41.4	0.00	1.53	0.85	NO	
L0001573	0	0.27610E-07	497104.6	3606385.5	41.4	0.00	1.53	0.85	NO	
L0001574	0	0.27610E-07	497101.3	3606385.5	41.4	0.00	1.53	0.85	NO	
L0001575	0	0.27610E-07	497098.0	3606385.6	41.5	0.00	1.53	0.85	NO	
L0001576	0	0.27610E-07	497094.8	3606385.6	41.5	0.00	1.53	0.85	NO	
L0001577	0	0.27610E-07	497091.5	3606385.6	41.4	0.00	1.53	0.85	NO	
L0001578	0	0.27610E-07	497088.2	3606385.7	41.2	0.00	1.53	0.85	NO	
L0001579	0	0.27610E-07	497084.9	3606385.7	41.1	0.00	1.53	0.85	NO	
L0001580	0	0.27610E-07	497081.6	3606385.7	40.9	0.00	1.53	0.85	NO	
L0001581	0	0.27610E-07	497078.4	3606385.8	40.8	0.00	1.53	0.85	NO	
L0001582	0	0.27610E-07	497075.1	3606385.8	40.6	0.00	1.53	0.85	NO	
L0001583	0	0.27610E-07	497071.8	3606385.8	40.5	0.00	1.53	0.85	NO	
L0001584	0	0.27610E-07	497068.5	3606385.9	40.3	0.00	1.53	0.85	NO	
L0001585	0	0.27610E-07	497065.2	3606385.9	40.3	0.00	1.53	0.85	NO	
L0001586	0	0.27610E-07	497062.0	3606386.0	40.4	0.00	1.53	0.85	NO	
L0001587	0	0.27610E-07	497058.7	3606386.0	40.5	0.00	1.53	0.85	NO	
L0001588	0	0.27610E-07	497055.4	3606386.0	40.5	0.00	1.53	0.85	NO	
L0001589	0	0.27610E-07	497052.1	3606386.1	40.6	0.00	1.53	0.85	NO	
L0001590	0	0.27610E-07	497048.8	3606386.1	40.7	0.00	1.53	0.85	NO	
L0001591	0	0.27610E-07	497045.6	3606386.1	40.7	0.00	1.53	0.85	NO	
L0001592	0	0.27610E-07	497042.3	3606386.2	40.8	0.00	1.53	0.85	NO	
L0001593	0	0.27610E-07	497039.0	3606386.2	40.8	0.00	1.53	0.85	NO	
L0001594	0	0.27610E-07	497035.7	3606386.2	40.8	0.00	1.53	0.85	NO	
L0001595	0	0.27610E-07	497032.4	3606386.3	40.8	0.00	1.53	0.85	NO	
L0001596	0	0.27610E-07	497029.2	3606386.3	40.8	0.00	1.53	0.85	NO	
L0001597	0	0.27610E-07	497025.9	3606386.4	40.8	0.00	1.53	0.85	NO	
L0001598	0	0.27610E-07	497022.6	3606386.4	40.8	0.00	1.53	0.85	NO	
L0001599	0	0.27610E-07	497019.3	3606386.4	40.8	0.00	1.53	0.85	NO	
L0001600	0	0.27610E-07	497016.0	3606386.5	40.8	0.00	1.53	0.85	NO	
L0001601	0	0.27610E-07	497012.8	3606386.5	40.8	0.00	1.53	0.85	NO	
L0001602	0	0.27610E-07	497009.5	3606386.5	40.8	0.00	1.53	0.85	NO	
L0001603	0	0.27610E-07	497006.2	3606386.6	40.8	0.00	1.53	0.85	NO	
L0001604	0	0.27610E-07	497002.9	3606386.6	40.8	0.00	1.53	0.85	NO	
L0001605	0	0.27610E-07	496999.6	3606386.6	40.7	0.00	1.53	0.85	NO	
L0001606	0	0.27610E-07	496996.4	3606386.7	40.7	0.00	1.53	0.85	NO	
L0001607	0	0.27610E-07	496993.1	3606386.7	40.7	0.00	1.53	0.85	NO	
L0001608	0	0.27610E-07	496989.8	3606386.7	40.7	0.00	1.53	0.85	NO	

L0001609	0	0.27610E-07	496986.5	3606386.8	40.7	0.00	1.53	0.85	NO
L0001610	0	0.27610E-07	496983.2	3606386.8	40.6	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001611	0	0.27610E-07	496980.0	3606386.9	40.6	0.00	1.53	0.85	NO	
L0001612	0	0.27610E-07	496976.7	3606386.9	40.6	0.00	1.53	0.85	NO	
L0001613	0	0.27610E-07	496973.4	3606386.9	40.6	0.00	1.53	0.85	NO	
L0001614	0	0.27610E-07	496970.1	3606387.0	40.5	0.00	1.53	0.85	NO	
L0001615	0	0.27610E-07	496966.8	3606387.0	40.5	0.00	1.53	0.85	NO	
L0001616	0	0.27610E-07	496963.6	3606387.0	40.5	0.00	1.53	0.85	NO	
L0001617	0	0.27610E-07	496960.3	3606387.1	40.4	0.00	1.53	0.85	NO	
L0001618	0	0.27610E-07	496957.0	3606387.1	40.4	0.00	1.53	0.85	NO	
L0001619	0	0.27610E-07	496953.7	3606387.1	40.4	0.00	1.53	0.85	NO	
L0001620	0	0.27610E-07	496950.4	3606387.2	40.4	0.00	1.53	0.85	NO	
L0001621	0	0.27610E-07	496947.2	3606387.2	40.4	0.00	1.53	0.85	NO	
L0001622	0	0.27610E-07	496943.9	3606387.3	40.3	0.00	1.53	0.85	NO	
L0001623	0	0.27610E-07	496940.6	3606387.3	40.3	0.00	1.53	0.85	NO	
L0001624	0	0.27610E-07	496937.3	3606387.3	40.3	0.00	1.53	0.85	NO	
L0001625	0	0.27610E-07	496934.0	3606387.4	40.4	0.00	1.53	0.85	NO	
L0001626	0	0.27610E-07	496930.8	3606387.4	40.6	0.00	1.53	0.85	NO	
L0001627	0	0.27610E-07	496927.5	3606387.4	40.7	0.00	1.53	0.85	NO	
L0001628	0	0.27610E-07	496924.2	3606387.5	40.8	0.00	1.53	0.85	NO	
L0001629	0	0.27610E-07	496920.9	3606387.5	41.0	0.00	1.53	0.85	NO	
L0001630	0	0.27610E-07	496917.6	3606387.5	41.1	0.00	1.53	0.85	NO	
L0001631	0	0.27610E-07	496914.4	3606387.6	41.3	0.00	1.53	0.85	NO	
L0001632	0	0.27610E-07	496911.1	3606387.6	41.4	0.00	1.53	0.85	NO	
L0001633	0	0.27610E-07	496907.8	3606387.7	41.5	0.00	1.53	0.85	NO	
L0001634	0	0.27610E-07	496904.5	3606387.7	41.5	0.00	1.53	0.85	NO	
L0001635	0	0.27610E-07	496901.3	3606387.7	41.6	0.00	1.53	0.85	NO	
L0001636	0	0.27610E-07	496898.0	3606387.8	41.6	0.00	1.53	0.85	NO	
L0001637	0	0.27610E-07	496894.7	3606387.8	41.7	0.00	1.53	0.85	NO	
L0001638	0	0.27610E-07	496891.4	3606387.8	41.8	0.00	1.53	0.85	NO	
L0001639	0	0.27610E-07	496888.1	3606387.9	41.8	0.00	1.53	0.85	NO	
L0001640	0	0.27610E-07	496884.9	3606387.9	41.9	0.00	1.53	0.85	NO	
L0001641	0	0.27610E-07	496881.6	3606387.9	41.9	0.00	1.53	0.85	NO	
L0001642	0	0.27610E-07	496878.3	3606388.0	41.9	0.00	1.53	0.85	NO	
L0001643	0	0.27610E-07	496875.0	3606388.0	42.0	0.00	1.53	0.85	NO	
L0001644	0	0.27610E-07	496871.7	3606388.0	42.0	0.00	1.53	0.85	NO	
L0001645	0	0.27610E-07	496868.5	3606388.1	42.1	0.00	1.53	0.85	NO	
L0001646	0	0.27610E-07	496865.2	3606388.1	42.1	0.00	1.53	0.85	NO	
L0001647	0	0.27610E-07	496861.9	3606388.2	42.2	0.00	1.53	0.85	NO	
L0001648	0	0.27610E-07	496858.6	3606388.2	42.2	0.00	1.53	0.85	NO	

L0001649	0	0.27610E-07	496855.3	3606388.2	42.3	0.00	1.53	0.85	NO
L0001650	0	0.27610E-07	496852.1	3606388.3	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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L0001651	0	0.27610E-07	496848.8	3606388.3	42.3	0.00	1.53	0.85	NO	
L0001652	0	0.27610E-07	496845.5	3606388.3	42.4	0.00	1.53	0.85	NO	
L0001653	0	0.27610E-07	496842.2	3606388.4	42.4	0.00	1.53	0.85	NO	
L0001654	0	0.27610E-07	496838.9	3606388.4	42.5	0.00	1.53	0.85	NO	
L0001655	0	0.27610E-07	496835.7	3606388.4	42.5	0.00	1.53	0.85	NO	
L0001656	0	0.27610E-07	496832.4	3606388.5	42.6	0.00	1.53	0.85	NO	
L0001657	0	0.27610E-07	496829.1	3606388.5	42.6	0.00	1.53	0.85	NO	
L0001658	0	0.27610E-07	496825.8	3606388.6	42.6	0.00	1.53	0.85	NO	
L0001659	0	0.27610E-07	496822.5	3606388.6	42.7	0.00	1.53	0.85	NO	
L0001660	0	0.27610E-07	496819.3	3606388.6	42.7	0.00	1.53	0.85	NO	
L0001661	0	0.27610E-07	496816.0	3606388.7	42.8	0.00	1.53	0.85	NO	
L0001662	0	0.27610E-07	496812.7	3606388.7	42.8	0.00	1.53	0.85	NO	
L0001663	0	0.27610E-07	496809.4	3606388.7	42.9	0.00	1.53	0.85	NO	
L0001664	0	0.27610E-07	496806.1	3606388.8	42.9	0.00	1.53	0.85	NO	
L0001665	0	0.27610E-07	496802.9	3606388.8	42.9	0.00	1.53	0.85	NO	
L0001666	0	0.27610E-07	496799.6	3606388.8	43.0	0.00	1.53	0.85	NO	
L0001667	0	0.27610E-07	496796.3	3606388.9	43.0	0.00	1.53	0.85	NO	
L0001668	0	0.27610E-07	496793.0	3606388.9	43.0	0.00	1.53	0.85	NO	
L0001669	0	0.27610E-07	496789.7	3606389.0	43.1	0.00	1.53	0.85	NO	
L0001670	0	0.27610E-07	496786.5	3606389.0	43.1	0.00	1.53	0.85	NO	
L0001671	0	0.27610E-07	496783.2	3606389.0	43.1	0.00	1.53	0.85	NO	
L0001672	0	0.27610E-07	496779.9	3606389.1	43.1	0.00	1.53	0.85	NO	
L0001673	0	0.27610E-07	496776.6	3606389.1	43.1	0.00	1.53	0.85	NO	
L0001674	0	0.27610E-07	496773.3	3606389.1	43.0	0.00	1.53	0.85	NO	
L0001675	0	0.27610E-07	496770.1	3606389.2	42.9	0.00	1.53	0.85	NO	
L0001676	0	0.27610E-07	496766.8	3606389.2	42.8	0.00	1.53	0.85	NO	
L0001677	0	0.27610E-07	496763.5	3606389.2	42.8	0.00	1.53	0.85	NO	
L0001678	0	0.27610E-07	496760.2	3606389.3	42.7	0.00	1.53	0.85	NO	
L0001679	0	0.27610E-07	496756.9	3606389.3	42.6	0.00	1.53	0.85	NO	
L0001680	0	0.27610E-07	496753.7	3606389.3	42.6	0.00	1.53	0.85	NO	
L0001681	0	0.27610E-07	496750.4	3606389.4	42.5	0.00	1.53	0.85	NO	
L0001682	0	0.27610E-07	496747.1	3606389.4	42.4	0.00	1.53	0.85	NO	
L0001683	0	0.27610E-07	496743.8	3606389.5	42.3	0.00	1.53	0.85	NO	
L0001684	0	0.27610E-07	496740.5	3606389.5	42.3	0.00	1.53	0.85	NO	
L0001685	0	0.27610E-07	496737.3	3606389.5	42.2	0.00	1.53	0.85	NO	
L0001686	0	0.27610E-07	496734.0	3606389.6	42.1	0.00	1.53	0.85	NO	
L0001687	0	0.27610E-07	496730.7	3606389.6	42.0	0.00	1.53	0.85	NO	
L0001688	0	0.27610E-07	496727.4	3606389.6	41.9	0.00	1.53	0.85	NO	

L0001689	0	0.27610E-07	496724.1	3606389.7	41.8	0.00	1.53	0.85	NO
L0001690	0	0.27610E-07	496720.9	3606389.7	41.7	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001691	0	0.27610E-07	496717.6	3606389.7	41.6	0.00	1.53	0.85	NO	
L0001692	0	0.27610E-07	496714.3	3606389.8	41.4	0.00	1.53	0.85	NO	
L0001693	0	0.27610E-07	496711.0	3606389.8	41.3	0.00	1.53	0.85	NO	
L0001694	0	0.27610E-07	496707.7	3606389.9	41.2	0.00	1.53	0.85	NO	
L0001695	0	0.27610E-07	496704.5	3606389.9	41.0	0.00	1.53	0.85	NO	
L0001696	0	0.27610E-07	496701.2	3606389.9	40.9	0.00	1.53	0.85	NO	
L0001697	0	0.27610E-07	496697.9	3606390.0	40.7	0.00	1.53	0.85	NO	
L0001698	0	0.27610E-07	496694.6	3606390.0	40.6	0.00	1.53	0.85	NO	
L0001699	0	0.27610E-07	496691.3	3606390.0	40.4	0.00	1.53	0.85	NO	
L0001700	0	0.27610E-07	496688.1	3606390.1	40.3	0.00	1.53	0.85	NO	
L0001701	0	0.27610E-07	496684.8	3606390.1	40.1	0.00	1.53	0.85	NO	
L0001702	0	0.27610E-07	496681.5	3606390.1	39.9	0.00	1.53	0.85	NO	
L0001703	0	0.27610E-07	496678.2	3606390.2	39.8	0.00	1.53	0.85	NO	
L0001704	0	0.27610E-07	496674.9	3606390.2	39.7	0.00	1.53	0.85	NO	
L0001705	0	0.27610E-07	496671.7	3606390.3	39.6	0.00	1.53	0.85	NO	
L0001706	0	0.27610E-07	496668.4	3606390.3	39.5	0.00	1.53	0.85	NO	
L0001707	0	0.27610E-07	496665.1	3606390.3	39.4	0.00	1.53	0.85	NO	
L0001708	0	0.27610E-07	496661.8	3606390.4	39.4	0.00	1.53	0.85	NO	
L0001889	0	0.13860E-07	496660.7	3606394.4	39.3	0.00	1.53	0.85	NO	
L0001890	0	0.13860E-07	496660.4	3606397.6	39.3	0.00	1.53	0.85	NO	
L0001891	0	0.13860E-07	496660.1	3606400.9	39.3	0.00	1.53	0.85	NO	
L0001892	0	0.13860E-07	496659.8	3606404.2	39.3	0.00	1.53	0.85	NO	
L0001893	0	0.13860E-07	496659.5	3606407.4	39.3	0.00	1.53	0.85	NO	
L0001894	0	0.13860E-07	496659.2	3606410.7	39.5	0.00	1.53	0.85	NO	
L0001895	0	0.13860E-07	496659.0	3606414.0	39.7	0.00	1.53	0.85	NO	
L0001896	0	0.13860E-07	496658.7	3606417.2	39.8	0.00	1.53	0.85	NO	
L0001897	0	0.13860E-07	496658.4	3606420.5	40.0	0.00	1.53	0.85	NO	
L0001898	0	0.13860E-07	496658.1	3606423.8	40.1	0.00	1.53	0.85	NO	
L0001899	0	0.13860E-07	496657.8	3606427.0	40.2	0.00	1.53	0.85	NO	
L0001900	0	0.13860E-07	496657.5	3606430.3	40.3	0.00	1.53	0.85	NO	
L0001901	0	0.13860E-07	496657.2	3606433.6	40.4	0.00	1.53	0.85	NO	
L0001902	0	0.13860E-07	496657.0	3606436.8	40.5	0.00	1.53	0.85	NO	
L0001903	0	0.13860E-07	496656.7	3606440.1	40.7	0.00	1.53	0.85	NO	
L0001904	0	0.13860E-07	496656.4	3606443.4	40.8	0.00	1.53	0.85	NO	
L0001905	0	0.13860E-07	496656.1	3606446.7	40.9	0.00	1.53	0.85	NO	
L0001906	0	0.13860E-07	496655.8	3606449.9	41.0	0.00	1.53	0.85	NO	
L0001907	0	0.13860E-07	496655.5	3606453.2	41.1	0.00	1.53	0.85	NO	
L0001908	0	0.13860E-07	496655.2	3606456.4	41.2	0.00	1.53	0.85	NO	

L0001909	0	0.13860E-07	496654.9	3606459.7	41.3	0.00	1.53	0.85	NO
L0001910	0	0.13860E-07	496654.6	3606463.0	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001911	0	0.13860E-07	496654.3	3606466.2	41.5	0.00	1.53	0.85	NO	
L0001912	0	0.13860E-07	496654.0	3606469.5	41.6	0.00	1.53	0.85	NO	
L0001913	0	0.13860E-07	496653.7	3606472.8	41.7	0.00	1.53	0.85	NO	
L0001914	0	0.13860E-07	496653.4	3606476.0	41.8	0.00	1.53	0.85	NO	
L0001915	0	0.13860E-07	496653.1	3606479.3	41.9	0.00	1.53	0.85	NO	
L0001916	0	0.13860E-07	496652.8	3606482.6	42.0	0.00	1.53	0.85	NO	
L0001917	0	0.13860E-07	496652.5	3606485.8	42.0	0.00	1.53	0.85	NO	
L0001918	0	0.13860E-07	496652.2	3606489.1	42.1	0.00	1.53	0.85	NO	
L0001919	0	0.13860E-07	496651.9	3606492.4	42.2	0.00	1.53	0.85	NO	
L0001920	0	0.13860E-07	496651.6	3606495.6	42.3	0.00	1.53	0.85	NO	
L0001921	0	0.13860E-07	496651.3	3606498.9	42.4	0.00	1.53	0.85	NO	
L0001922	0	0.13860E-07	496651.0	3606502.2	42.6	0.00	1.53	0.85	NO	
L0001923	0	0.13860E-07	496650.6	3606505.4	42.8	0.00	1.53	0.85	NO	
L0001924	0	0.13860E-07	496650.3	3606508.7	43.0	0.00	1.53	0.85	NO	
L0001925	0	0.13860E-07	496650.0	3606512.0	43.4	0.00	1.53	0.85	NO	
L0001926	0	0.13860E-07	496649.7	3606515.2	43.8	0.00	1.53	0.85	NO	
L0001927	0	0.13860E-07	496649.4	3606518.5	44.1	0.00	1.53	0.85	NO	
L0001928	0	0.13860E-07	496649.1	3606521.8	44.4	0.00	1.53	0.85	NO	
L0001929	0	0.13860E-07	496648.8	3606525.0	44.8	0.00	1.53	0.85	NO	
L0001930	0	0.13860E-07	496648.5	3606528.3	45.1	0.00	1.53	0.85	NO	
L0001931	0	0.13860E-07	496648.2	3606531.6	45.4	0.00	1.53	0.85	NO	
L0001932	0	0.13860E-07	496647.9	3606534.8	45.6	0.00	1.53	0.85	NO	
L0001933	0	0.13860E-07	496647.6	3606538.1	45.9	0.00	1.53	0.85	NO	
L0001934	0	0.13860E-07	496647.3	3606541.4	46.1	0.00	1.53	0.85	NO	
L0001935	0	0.13860E-07	496647.0	3606544.6	46.4	0.00	1.53	0.85	NO	
L0001936	0	0.13860E-07	496646.7	3606547.9	46.6	0.00	1.53	0.85	NO	
L0001937	0	0.13860E-07	496646.4	3606551.2	46.8	0.00	1.53	0.85	NO	
L0001938	0	0.13860E-07	496646.1	3606554.4	47.1	0.00	1.53	0.85	NO	
L0001939	0	0.13860E-07	496645.8	3606557.7	47.3	0.00	1.53	0.85	NO	
L0001940	0	0.13860E-07	496645.5	3606561.0	47.6	0.00	1.53	0.85	NO	
L0001941	0	0.13860E-07	496645.2	3606564.2	48.0	0.00	1.53	0.85	NO	
L0001942	0	0.13860E-07	496644.9	3606567.5	48.3	0.00	1.53	0.85	NO	
L0001943	0	0.13860E-07	496644.6	3606570.8	48.7	0.00	1.53	0.85	NO	
L0001944	0	0.13860E-07	496644.3	3606574.0	49.1	0.00	1.53	0.85	NO	
L0001945	0	0.13860E-07	496644.0	3606577.3	49.5	0.00	1.53	0.85	NO	
L0001946	0	0.13860E-07	496643.7	3606580.6	49.8	0.00	1.53	0.85	NO	
L0001947	0	0.13860E-07	496643.4	3606583.8	50.2	0.00	1.53	0.85	NO	
L0001948	0	0.13860E-07	496643.1	3606587.1	50.5	0.00	1.53	0.85	NO	

L0001949	0	0.13860E-07	496642.8	3606590.4	50.8	0.00	1.53	0.85	NO
L0001950	0	0.13860E-07	496642.5	3606593.6	51.2	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001951	0	0.13860E-07	496642.2	3606596.9	51.5	0.00	1.53	0.85	NO	
L0001952	0	0.13860E-07	496641.9	3606600.2	51.9	0.00	1.53	0.85	NO	
L0001953	0	0.13860E-07	496641.5	3606603.4	52.2	0.00	1.53	0.85	NO	
L0001954	0	0.13860E-07	496641.2	3606606.7	52.6	0.00	1.53	0.85	NO	
L0001955	0	0.13860E-07	496640.9	3606609.9	52.9	0.00	1.53	0.85	NO	
L0001956	0	0.13860E-07	496640.6	3606613.2	53.2	0.00	1.53	0.85	NO	
L0001957	0	0.13860E-07	496640.3	3606616.5	53.5	0.00	1.53	0.85	NO	
L0001958	0	0.13860E-07	496640.0	3606619.7	53.8	0.00	1.53	0.85	NO	
L0001959	0	0.13860E-07	496639.7	3606623.0	54.0	0.00	1.53	0.85	NO	
L0001960	0	0.13860E-07	496639.4	3606626.3	54.3	0.00	1.53	0.85	NO	
L0001961	0	0.13860E-07	496639.1	3606629.5	54.5	0.00	1.53	0.85	NO	
L0001962	0	0.13860E-07	496638.8	3606632.8	54.7	0.00	1.53	0.85	NO	
L0001963	0	0.13860E-07	496638.5	3606636.1	54.9	0.00	1.53	0.85	NO	
L0001964	0	0.13860E-07	496638.2	3606639.3	55.1	0.00	1.53	0.85	NO	
L0001965	0	0.13860E-07	496637.9	3606642.6	55.3	0.00	1.53	0.85	NO	
L0001966	0	0.13860E-07	496637.6	3606645.9	55.5	0.00	1.53	0.85	NO	
L0001967	0	0.13860E-07	496637.3	3606649.1	55.7	0.00	1.53	0.85	NO	
L0001968	0	0.13860E-07	496637.0	3606652.4	55.9	0.00	1.53	0.85	NO	
L0001969	0	0.13860E-07	496636.7	3606655.7	56.0	0.00	1.53	0.85	NO	
L0001970	0	0.13860E-07	496636.4	3606658.9	56.1	0.00	1.53	0.85	NO	
L0001971	0	0.13860E-07	496636.1	3606662.2	56.3	0.00	1.53	0.85	NO	
L0001972	0	0.13840E-07	496655.9	3606389.7	39.2	0.00	1.53	0.85	NO	
L0001973	0	0.13840E-07	496652.6	3606389.6	39.2	0.00	1.53	0.85	NO	
L0001974	0	0.13840E-07	496649.3	3606389.5	39.2	0.00	1.53	0.85	NO	
L0001975	0	0.13840E-07	496646.1	3606389.4	39.5	0.00	1.53	0.85	NO	
L0001976	0	0.13840E-07	496642.8	3606389.3	39.8	0.00	1.53	0.85	NO	
L0001977	0	0.13840E-07	496639.5	3606389.1	40.1	0.00	1.53	0.85	NO	
L0001978	0	0.13840E-07	496636.2	3606389.0	40.5	0.00	1.53	0.85	NO	
L0001979	0	0.13840E-07	496633.0	3606388.9	40.8	0.00	1.53	0.85	NO	
L0001980	0	0.13840E-07	496629.7	3606388.8	41.0	0.00	1.53	0.85	NO	
L0001981	0	0.13840E-07	496626.4	3606388.7	41.3	0.00	1.53	0.85	NO	
L0001982	0	0.13840E-07	496623.1	3606388.5	41.5	0.00	1.53	0.85	NO	
L0001983	0	0.13840E-07	496619.8	3606388.4	41.7	0.00	1.53	0.85	NO	
L0001984	0	0.13840E-07	496616.6	3606388.3	41.8	0.00	1.53	0.85	NO	
L0001985	0	0.13840E-07	496613.3	3606388.2	41.9	0.00	1.53	0.85	NO	
L0001986	0	0.13840E-07	496610.0	3606388.1	42.0	0.00	1.53	0.85	NO	
L0001987	0	0.13840E-07	496606.7	3606387.9	42.1	0.00	1.53	0.85	NO	
L0001988	0	0.13840E-07	496603.5	3606387.8	42.2	0.00	1.53	0.85	NO	

L0001989	0	0.13840E-07	496600.2	3606387.7	42.3	0.00	1.53	0.85	NO
L0001990	0	0.13840E-07	496596.9	3606387.6	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0001991	0	0.13840E-07	496593.6	3606387.5	42.3	0.00	1.53	0.85	NO	
L0001992	0	0.13840E-07	496590.3	3606387.4	42.2	0.00	1.53	0.85	NO	
L0001993	0	0.13840E-07	496587.1	3606387.2	42.2	0.00	1.53	0.85	NO	
L0001994	0	0.13840E-07	496583.8	3606387.1	42.1	0.00	1.53	0.85	NO	
L0001995	0	0.13840E-07	496580.5	3606387.0	42.1	0.00	1.53	0.85	NO	
L0001996	0	0.13840E-07	496577.2	3606386.9	42.0	0.00	1.53	0.85	NO	
L0001997	0	0.13840E-07	496574.0	3606386.8	42.0	0.00	1.53	0.85	NO	
L0001998	0	0.13840E-07	496570.7	3606386.6	41.8	0.00	1.53	0.85	NO	
L0001999	0	0.13840E-07	496567.4	3606386.5	41.4	0.00	1.53	0.85	NO	
L0002000	0	0.13840E-07	496564.1	3606386.4	41.0	0.00	1.53	0.85	NO	
L0002001	0	0.13840E-07	496560.8	3606386.3	40.7	0.00	1.53	0.85	NO	
L0002002	0	0.13840E-07	496557.6	3606386.2	40.3	0.00	1.53	0.85	NO	
L0002003	0	0.13840E-07	496554.3	3606386.1	39.9	0.00	1.53	0.85	NO	
L0002004	0	0.13840E-07	496551.0	3606385.9	39.6	0.00	1.53	0.85	NO	
L0002005	0	0.13840E-07	496547.7	3606385.8	39.3	0.00	1.53	0.85	NO	
L0002006	0	0.13840E-07	496544.5	3606385.7	39.1	0.00	1.53	0.85	NO	
L0002007	0	0.13840E-07	496541.2	3606385.6	39.3	0.00	1.53	0.85	NO	
L0002008	0	0.13840E-07	496537.9	3606385.5	39.4	0.00	1.53	0.85	NO	
L0002120	0	0.13870E-07	496537.3	3606381.2	39.3	0.00	1.53	0.85	NO	
L0002121	0	0.13870E-07	496537.7	3606377.9	39.2	0.00	1.53	0.85	NO	
L0002122	0	0.13870E-07	496538.1	3606374.7	39.2	0.00	1.53	0.85	NO	
L0002123	0	0.13870E-07	496538.5	3606371.4	39.1	0.00	1.53	0.85	NO	
L0002124	0	0.13870E-07	496538.9	3606368.2	39.0	0.00	1.53	0.85	NO	
L0002125	0	0.13870E-07	496539.3	3606364.9	38.9	0.00	1.53	0.85	NO	
L0002126	0	0.13870E-07	496539.7	3606361.6	38.8	0.00	1.53	0.85	NO	
L0002127	0	0.13870E-07	496540.1	3606358.4	38.8	0.00	1.53	0.85	NO	
L0002128	0	0.13870E-07	496540.5	3606355.1	38.7	0.00	1.53	0.85	NO	
L0002129	0	0.13870E-07	496540.9	3606351.9	38.6	0.00	1.53	0.85	NO	
L0002130	0	0.13870E-07	496541.3	3606348.6	38.5	0.00	1.53	0.85	NO	
L0002131	0	0.13870E-07	496541.7	3606345.4	38.5	0.00	1.53	0.85	NO	
L0002132	0	0.13870E-07	496542.1	3606342.1	38.5	0.00	1.53	0.85	NO	
L0002133	0	0.13870E-07	496542.5	3606338.9	38.5	0.00	1.53	0.85	NO	
L0002134	0	0.13870E-07	496542.9	3606335.6	38.5	0.00	1.53	0.85	NO	
L0002135	0	0.13870E-07	496543.3	3606332.4	38.5	0.00	1.53	0.85	NO	
L0002136	0	0.13870E-07	496543.7	3606329.1	38.5	0.00	1.53	0.85	NO	
L0002137	0	0.13870E-07	496544.1	3606325.8	38.5	0.00	1.53	0.85	NO	
L0002138	0	0.13870E-07	496544.5	3606322.6	38.6	0.00	1.53	0.85	NO	
L0002139	0	0.13870E-07	496544.9	3606319.3	38.6	0.00	1.53	0.85	NO	

L0002140	0	0.13870E-07	496545.3	3606316.1	38.6	0.00	1.53	0.85	NO
L0002141	0	0.13870E-07	496545.7	3606312.8	38.7	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0002142	0	0.13870E-07	496546.1	3606309.6	38.8	0.00	1.53	0.85	NO	
L0002143	0	0.13870E-07	496546.5	3606306.3	38.9	0.00	1.53	0.85	NO	
L0002144	0	0.13870E-07	496546.9	3606303.1	39.0	0.00	1.53	0.85	NO	
L0002145	0	0.13870E-07	496547.3	3606299.8	39.2	0.00	1.53	0.85	NO	
L0002146	0	0.13870E-07	496547.7	3606296.5	39.3	0.00	1.53	0.85	NO	
L0002147	0	0.13870E-07	496548.1	3606293.3	39.4	0.00	1.53	0.85	NO	
L0002148	0	0.13870E-07	496548.5	3606290.0	39.5	0.00	1.53	0.85	NO	
L0002149	0	0.13870E-07	496548.9	3606286.8	39.6	0.00	1.53	0.85	NO	
L0002150	0	0.13870E-07	496549.3	3606283.5	39.8	0.00	1.53	0.85	NO	
L0002151	0	0.13870E-07	496549.7	3606280.3	39.9	0.00	1.53	0.85	NO	
L0002152	0	0.13870E-07	496550.1	3606277.0	40.0	0.00	1.53	0.85	NO	
L0002153	0	0.13870E-07	496550.5	3606273.8	40.1	0.00	1.53	0.85	NO	
L0002154	0	0.13870E-07	496550.9	3606270.5	40.2	0.00	1.53	0.85	NO	
L0002155	0	0.13870E-07	496551.3	3606267.2	40.3	0.00	1.53	0.85	NO	
L0002156	0	0.13870E-07	496551.7	3606264.0	40.4	0.00	1.53	0.85	NO	
L0002157	0	0.13870E-07	496552.1	3606260.7	40.5	0.00	1.53	0.85	NO	
L0002158	0	0.13870E-07	496552.5	3606257.5	40.6	0.00	1.53	0.85	NO	
L0002159	0	0.13870E-07	496552.9	3606254.2	40.6	0.00	1.53	0.85	NO	
L0002160	0	0.13870E-07	496553.3	3606251.0	40.7	0.00	1.53	0.85	NO	
L0002161	0	0.13870E-07	496553.7	3606247.7	40.6	0.00	1.53	0.85	NO	
L0002162	0	0.13870E-07	496554.1	3606244.5	40.5	0.00	1.53	0.85	NO	
L0002163	0	0.13870E-07	496554.5	3606241.2	40.4	0.00	1.53	0.85	NO	
L0002164	0	0.13870E-07	496554.9	3606237.9	40.3	0.00	1.53	0.85	NO	
L0002165	0	0.13870E-07	496555.3	3606234.7	40.3	0.00	1.53	0.85	NO	
L0002166	0	0.13870E-07	496555.7	3606231.4	40.2	0.00	1.53	0.85	NO	
L0002167	0	0.13870E-07	496556.1	3606228.2	40.1	0.00	1.53	0.85	NO	
L0002168	0	0.13870E-07	496556.5	3606224.9	40.0	0.00	1.53	0.85	NO	
L0002169	0	0.13870E-07	496556.9	3606221.7	40.0	0.00	1.53	0.85	NO	
L0002170	0	0.13870E-07	496557.3	3606218.4	39.9	0.00	1.53	0.85	NO	
L0002171	0	0.13870E-07	496557.7	3606215.2	39.8	0.00	1.53	0.85	NO	
L0002172	0	0.13870E-07	496558.1	3606211.9	39.8	0.00	1.53	0.85	NO	
L0002173	0	0.13870E-07	496558.5	3606208.6	39.7	0.00	1.53	0.85	NO	
L0002174	0	0.13870E-07	496558.9	3606205.4	39.6	0.00	1.53	0.85	NO	
L0002175	0	0.13870E-07	496559.3	3606202.1	39.5	0.00	1.53	0.85	NO	
L0002176	0	0.13870E-07	496559.7	3606198.9	39.5	0.00	1.53	0.85	NO	
L0002177	0	0.13870E-07	496560.1	3606195.6	39.4	0.00	1.53	0.85	NO	
L0002178	0	0.13870E-07	496560.5	3606192.4	39.4	0.00	1.53	0.85	NO	
L0002179	0	0.13870E-07	496560.9	3606189.1	39.3	0.00	1.53	0.85	NO	

L0002180	0	0.13870E-07	496561.3	3606185.9	39.3	0.00	1.53	0.85	NO
L0002181	0	0.13870E-07	496561.7	3606182.6	39.2	0.00	1.53	0.85	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** 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
L0002182	0	0.13870E-07	496562.1	3606179.3	39.2	0.00	1.53	0.85	NO	
L0002183	0	0.13870E-07	496562.5	3606176.1	39.1	0.00	1.53	0.85	NO	
L0002184	0	0.13870E-07	496562.9	3606172.8	39.1	0.00	1.53	0.85	NO	
L0002185	0	0.13870E-07	496563.3	3606169.6	39.0	0.00	1.53	0.85	NO	
L0002186	0	0.13870E-07	496563.7	3606166.3	39.0	0.00	1.53	0.85	NO	
L0002187	0	0.13870E-07	496564.1	3606163.1	39.0	0.00	1.53	0.85	NO	
L0002188	0	0.13870E-07	496564.5	3606159.8	39.0	0.00	1.53	0.85	NO	
L0002189	0	0.13870E-07	496564.9	3606156.6	39.0	0.00	1.53	0.85	NO	
L0002190	0	0.13870E-07	496565.3	3606153.3	39.0	0.00	1.53	0.85	NO	
L0002191	0	0.13870E-07	496565.7	3606150.0	39.0	0.00	1.53	0.85	NO	
L0002192	0	0.13870E-07	496566.1	3606146.8	39.0	0.00	1.53	0.85	NO	
L0002193	0	0.13870E-07	496566.5	3606143.5	39.0	0.00	1.53	0.85	NO	
L0002194	0	0.13870E-07	496566.9	3606140.3	39.0	0.00	1.53	0.85	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	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 , L0001441 , L0001442 ,
	L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448 , L0001449 , L0001450 ,
	L0001451 , L0001452 , L0001453 , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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 , 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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0001691 , L0001692 , L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 ,
L0001699 , L0001700 , L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 ,
L0001707 , L0001708 , STCK1 , STCK2 , STCK3 , STCK4 , 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 , 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 , L0002120 , L0002121 ,
L0002122 , L0002123 , L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 ,
L0002130 , L0002131 , L0002132 , L0002133 , L0002134 , L0002135 , L0002136 , L0002137 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	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 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-61.0,	49.4,	2	12.2,	161.1,	211.6,	-75.1,	56.1,
3	12.2,	183.0,	214.4,	-86.9,	61.0,	4	12.2,	199.4,	210.7,	-96.0,	64.0,
5	12.2,	209.6,	201.1,	-102.2,	65.0,	6	12.2,	213.8,	185.4,	-105.4,	64.0,
7	12.2,	211.8,	164.2,	-105.3,	60.8,	8	12.2,	203.3,	138.5,	-102.0,	55.8,
9	12.2,	188.7,	108.5,	-95.6,	49.1,	10	12.2,	202.5,	134.6,	-116.8,	40.2,
11	12.2,	211.6,	161.1,	-136.7,	30.7,	12	12.2,	214.4,	183.0,	-152.5,	20.3,
13	12.2,	210.7,	199.4,	-163.6,	9.3,	14	12.2,	201.1,	209.6,	-169.8,	-1.7,
15	12.2,	185.4,	213.8,	-170.9,	-12.7,	16	12.2,	164.2,	211.8,	-166.7,	-23.2,
17	12.2,	138.5,	203.3,	-157.5,	-32.8,	18	12.2,	108.5,	188.7,	-143.4,	-41.4,
19	12.2,	134.6,	202.5,	-141.4,	-49.4,	20	12.2,	161.1,	211.6,	-136.5,	-56.1,
21	12.2,	183.0,	214.4,	-127.5,	-61.0,	22	12.2,	199.4,	210.7,	-114.7,	-64.0,
23	12.2,	209.6,	201.1,	-98.8,	-65.0,	24	12.2,	213.8,	185.4,	-80.0,	-64.0,
25	12.2,	211.8,	164.2,	-59.0,	-60.8,	26	12.2,	203.3,	138.5,	-36.5,	-55.8,
27	12.2,	188.7,	108.5,	-12.8,	-49.1,	28	12.2,	202.5,	134.6,	-17.9,	-40.2,
29	12.2,	211.6,	161.1,	-24.4,	-30.7,	30	12.2,	214.4,	183.0,	-30.5,	-20.3,
31	12.2,	210.7,	199.4,	-35.7,	-9.3,	32	12.2,	201.1,	209.6,	-39.8,	1.7,
33	12.2,	185.4,	213.8,	-42.9,	12.7,	34	12.2,	164.2,	211.8,	-45.1,	23.2,
35	12.2,	138.5,	203.3,	-45.9,	32.8,	36	12.2,	108.5,	188.7,	-45.3,	41.4,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-91.8,	43.1,	2	12.2,	161.1,	211.6,	-104.2,	44.6,
3	12.2,	183.0,	214.4,	-113.6,	44.5,	4	12.2,	199.4,	210.7,	-119.5,	43.1,
5	12.2,	209.6,	201.1,	-121.7,	40.4,	6	12.2,	213.8,	185.4,	-120.3,	36.4,
7	12.2,	211.8,	164.2,	-115.2,	31.0,	8	12.2,	203.3,	138.5,	-106.6,	24.8,
9	12.2,	188.7,	108.5,	-94.7,	17.7,	10	12.2,	202.5,	134.6,	-110.4,	9.5,
11	12.2,	211.6,	161.1,	-125.1,	1.6,	12	12.2,	214.4,	183.0,	-136.0,	-6.4,
13	12.2,	210.7,	199.4,	-142.8,	-14.1,	14	12.2,	201.1,	209.6,	-145.2,	-21.2,
15	12.2,	185.4,	213.8,	-143.2,	-27.6,	16	12.2,	164.2,	211.8,	-136.9,	-33.0,
17	12.2,	138.5,	203.3,	-126.4,	-37.3,	18	12.2,	108.5,	188.7,	-112.1,	-40.5,
19	12.2,	134.6,	202.5,	-110.7,	-43.1,	20	12.2,	161.1,	211.6,	-107.4,	-44.6,
21	12.2,	183.0,	214.4,	-100.8,	-44.5,	22	12.2,	199.4,	210.7,	-91.2,	-43.1,
23	12.2,	209.6,	201.1,	-79.4,	-40.4,	24	12.2,	213.8,	185.4,	-65.1,	-36.4,
25	12.2,	211.8,	164.2,	-49.1,	-31.0,	26	12.2,	203.3,	138.5,	-31.9,	-24.8,
27	12.2,	188.7,	108.5,	-13.7,	-17.7,	28	12.2,	202.5,	134.6,	-24.2,	-9.5,
29	12.2,	211.6,	161.1,	-36.0,	-1.6,	30	12.2,	214.4,	183.0,	-47.0,	6.4,
31	12.2,	210.7,	199.4,	-56.5,	14.1,	32	12.2,	201.1,	209.6,	-64.4,	21.2,
33	12.2,	185.4,	213.8,	-70.5,	27.6,	34	12.2,	164.2,	211.8,	-74.8,	33.0,
35	12.2,	138.5,	203.3,	-76.9,	37.3,	36	12.2,	108.5,	188.7,	-76.6,	40.5,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-122.3,	38.4,	2	12.2,	161.1,	211.6,	-133.5,	34.6,
3	12.2,	183.0,	214.4,	-140.7,	29.7,	4	12.2,	199.4,	210.7,	-143.6,	23.8,
5	12.2,	209.6,	201.1,	-142.1,	17.2,	6	12.2,	213.8,	185.4,	-136.3,	9.9,
7	12.2,	211.8,	164.2,	-126.4,	2.2,	8	12.2,	203.3,	138.5,	-112.6,	-5.6,
9	12.2,	188.7,	108.5,	-95.4,	-13.2,	10	12.2,	202.5,	134.6,	-105.7,	-21.1,
11	12.2,	211.6,	161.1,	-115.2,	-27.7,	12	12.2,	214.4,	183.0,	-121.2,	-33.5,
13	12.2,	210.7,	199.4,	-123.5,	-38.2,	14	12.2,	201.1,	209.6,	-122.0,	-41.6,
15	12.2,	185.4,	213.8,	-116.8,	-43.6,	16	12.2,	164.2,	211.8,	-108.1,	-44.2,
17	12.2,	138.5,	203.3,	-96.1,	-43.4,	18	12.2,	108.5,	188.7,	-81.2,	-41.2,
19	12.2,	134.6,	202.5,	-80.2,	-38.4,	20	12.2,	161.1,	211.6,	-78.1,	-34.6,
21	12.2,	183.0,	214.4,	-73.7,	-29.7,	22	12.2,	199.4,	210.7,	-67.1,	-23.8,
23	12.2,	209.6,	201.1,	-59.0,	-17.2,	24	12.2,	213.8,	185.4,	-49.1,	-9.9,
25	12.2,	211.8,	164.2,	-37.9,	-2.2,	26	12.2,	203.3,	138.5,	-25.9,	5.6,
27	12.2,	188.7,	108.5,	-13.1,	13.2,	28	12.2,	202.5,	134.6,	-28.9,	21.1,
29	12.2,	211.6,	161.1,	-45.9,	27.7,	30	12.2,	214.4,	183.0,	-61.9,	33.5,
31	12.2,	210.7,	199.4,	-75.9,	38.2,	32	12.2,	201.1,	209.6,	-87.6,	41.6,
33	12.2,	185.4,	213.8,	-96.9,	43.6,	34	12.2,	164.2,	211.8,	-103.7,	44.2,
35	12.2,	138.5,	203.3,	-107.2,	43.4,	36	12.2,	108.5,	188.7,	-107.6,	41.2,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-161.6,	31.7,	2	12.2,	161.1,	211.6,	-171.0,	21.2,
3	12.2,	183.0,	214.4,	-175.3,	9.9,	4	12.2,	199.4,	210.7,	-174.2,	-1.7,
5	12.2,	209.6,	201.1,	-167.9,	-13.2,	6	12.2,	213.8,	185.4,	-156.4,	-24.4,
7	12.2,	211.8,	164.2,	-140.2,	-35.1,	8	12.2,	203.3,	138.5,	-119.7,	-44.8,
9	12.2,	188.7,	108.5,	-95.6,	-53.0,	10	12.2,	202.5,	134.6,	-99.0,	-60.3,
11	12.2,	211.6,	161.1,	-101.8,	-65.2,	12	12.2,	214.4,	183.0,	-101.5,	-68.1,
13	12.2,	210.7,	199.4,	-98.0,	-68.9,	14	12.2,	201.1,	209.6,	-91.6,	-67.3,
15	12.2,	185.4,	213.8,	-82.5,	-63.7,	16	12.2,	164.2,	211.8,	-70.8,	-58.1,
17	12.2,	138.5,	203.3,	-56.9,	-50.5,	18	12.2,	108.5,	188.7,	-41.3,	-41.4,
19	12.2,	134.6,	202.5,	-40.9,	-31.7,	20	12.2,	161.1,	211.6,	-40.6,	-21.2,
21	12.2,	183.0,	214.4,	-39.1,	-9.9,	22	12.2,	199.4,	210.7,	-36.5,	1.7,
23	12.2,	209.6,	201.1,	-33.2,	13.2,	24	12.2,	213.8,	185.4,	-29.0,	24.4,
25	12.2,	211.8,	164.2,	-24.1,	35.1,	26	12.2,	203.3,	138.5,	-18.7,	44.8,
27	12.2,	188.7,	108.5,	-12.8,	53.0,	28	12.2,	202.5,	134.6,	-35.6,	60.3,
29	12.2,	211.6,	161.1,	-59.3,	65.2,	30	12.2,	214.4,	183.0,	-81.6,	68.1,
31	12.2,	210.7,	199.4,	-101.3,	68.9,	32	12.2,	201.1,	209.6,	-118.0,	67.3,
33	12.2,	185.4,	213.8,	-131.3,	63.7,	34	12.2,	164.2,	211.8,	-141.0,	58.1,
35	12.2,	138.5,	203.3,	-146.4,	50.5,	36	12.2,	108.5,	188.7,	-147.4,	41.4,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

496437.3, 496496.9, 496556.5, 496616.1, 496675.8, 496735.3, 496794.9, 496854.5, 496914.1, 496973.8,
497033.3, 497092.9, 497152.5, 497212.1, 497271.8, 497331.3, 497390.9, 497450.5, 497510.1, 497569.8,
497629.3,

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

3606072.0, 3606131.2, 3606190.3, 3606249.4, 3606308.6, 3606367.7, 3606426.8, 3606486.0, 3606545.1, 3606604.2,
3606663.3, 3606722.5, 3606781.6, 3606840.7, 3606899.9, 3606959.0, 3607018.1, 3607077.2, 3607136.4, 3607195.5,
3607254.6,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	68.00	67.00	61.50	61.40	54.30	57.70	59.70
3607195.51	72.10	68.40	66.60	66.10	59.60	54.00	56.50	57.80	58.60
3607136.38	72.40	66.00	65.40	64.20	56.60	53.00	55.70	59.00	59.60
3607077.25	72.60	62.20	62.60	62.90	48.40	54.40	58.20	59.70	61.50
3607018.12	59.50	56.80	59.50	61.20	53.60	53.70	60.30	63.90	68.00
3606958.99	54.40	52.60	57.00	60.00	54.80	55.60	62.40	65.10	68.60
3606899.86	46.70	50.20	55.80	58.70	58.30	58.20	65.70	68.50	72.40
3606840.73	48.90	49.90	55.10	57.20	63.80	62.90	63.90	68.30	69.20
3606781.60	48.20	52.80	54.50	56.50	64.70	66.80	63.70	64.40	65.60
3606722.47	50.90	52.50	55.10	54.30	66.20	66.80	65.00	61.30	60.70
3606663.34	54.50	57.10	55.00	52.60	64.70	64.00	66.30	60.80	57.90
3606604.21	56.30	58.80	51.40	50.40	60.50	59.70	61.60	62.50	54.60
3606545.08	58.30	59.00	47.30	48.80	56.10	53.90	57.80	58.20	50.60
3606485.95	54.50	56.20	44.40	47.20	51.00	49.40	48.20	47.40	45.60
3606426.82	53.30	50.30	42.30	45.70	43.20	46.40	45.10	43.70	42.60
3606367.69	39.50	38.70	39.70	40.40	39.00	40.20	40.50	40.70	39.80
3606308.56	38.20	37.00	41.00	42.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	41.00	41.70	35.70	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	38.50	41.10	35.00	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	36.10	40.10	34.10	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	34.50	38.40	33.70	33.70	34.00	29.30	27.80

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	65.20	67.50	72.50	76.70	80.10	84.70	85.30	99.00	100.10
3607195.51	61.30	65.70	70.70	74.40	76.60	80.60	82.80	86.80	87.50
3607136.38	64.40	75.90	80.00	78.20	76.90	74.10	80.90	83.60	88.20
3607077.25	75.10	80.20	80.90	77.80	75.10	72.10	77.80	84.60	97.10
3607018.12	79.90	81.00	81.80	78.40	76.80	70.30	75.70	94.70	98.20
3606958.99	76.20	81.00	80.90	79.10	75.70	67.00	75.50	92.50	92.30
3606899.86	73.00	77.50	77.90	77.80	73.20	62.70	72.30	79.40	77.70
3606840.73	69.10	77.40	77.70	68.70	65.10	60.30	65.00	68.30	81.60
3606781.60	64.40	73.30	74.10	63.10	56.30	57.70	62.30	72.50	76.20
3606722.47	63.30	63.80	64.10	57.30	53.90	56.10	57.00	56.70	65.30
3606663.34	61.00	62.50	59.10	54.30	53.20	55.10	56.90	56.60	61.90
3606604.21	54.40	55.20	50.40	53.50	52.20	50.00	51.30	50.80	49.30
3606545.08	48.60	44.70	45.10	46.60	47.00	48.50	49.40	49.10	44.30
3606485.95	44.90	41.60	42.90	44.40	44.30	45.00	44.00	42.80	43.20
3606426.82	42.50	41.80	42.60	44.00	43.50	43.10	43.20	41.80	42.00
3606367.69	39.60	39.90	40.40	41.10	41.40	41.60	41.20	41.00	40.40
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	35.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	31.30	30.00	30.00
3606131.17	34.40	33.10	29.00	28.40	27.90	29.60	28.70	29.70	29.50
3606072.04	27.10	26.40	26.60	27.20	27.70	27.50	28.10	28.60	28.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	102.70	107.40	104.40
3607195.51	92.20	95.00	98.50
3607136.38	95.90	97.40	100.30
3607077.25	100.10	101.10	103.90
3607018.12	98.70	102.50	103.70
3606958.99	90.30	101.40	103.10
3606899.86	79.10	92.10	93.50
3606840.73	90.10	90.90	90.20
3606781.60	74.50	72.40	71.20
3606722.47	66.70	62.80	62.50
3606663.34	65.40	56.40	57.40
3606604.21	51.20	53.90	58.40
3606545.08	44.40	45.00	46.00
3606485.95	43.10	43.10	43.30
3606426.82	42.50	42.40	42.90
3606367.69	40.60	40.90	41.30
3606308.56	39.70	39.90	40.60
3606249.43	40.20	40.00	39.90
3606190.30	29.90	29.60	29.80
3606131.17	29.10	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	76.50	67.00	76.00	76.00	80.50	80.50	130.10
3607195.51	72.10	68.40	66.60	66.10	66.50	76.00	81.70	81.70	81.90
3607136.38	72.40	72.70	65.40	64.20	66.50	81.70	81.90	81.90	82.20
3607077.25	72.60	72.90	62.60	62.90	81.90	81.90	81.90	81.90	82.20
3607018.12	73.00	72.90	72.90	61.20	63.00	81.90	81.90	81.90	81.90
3606958.99	73.00	72.90	72.00	60.00	58.90	81.90	72.40	81.90	81.90
3606899.86	73.00	72.90	59.20	58.70	58.30	71.70	65.70	72.10	72.40
3606840.73	72.90	72.90	64.80	65.20	64.50	62.90	63.90	68.30	73.20
3606781.60	48.20	52.80	66.20	66.70	64.70	66.80	67.90	64.40	77.50
3606722.47	50.90	59.00	66.20	67.40	66.20	66.80	66.70	61.30	78.30
3606663.34	56.30	58.80	66.20	67.50	64.70	64.00	66.30	66.50	78.00
3606604.21	56.30	58.80	66.20	66.50	62.30	65.70	65.50	62.50	66.50
3606545.08	58.30	59.00	66.10	66.20	57.70	66.10	62.00	62.50	66.50
3606485.95	54.50	59.20	59.30	62.30	52.50	65.70	66.50	66.50	66.50
3606426.82	53.30	59.20	59.30	45.70	65.70	46.40	65.70	65.70	62.50
3606367.69	59.30	59.30	59.30	59.20	65.70	65.70	62.50	62.50	62.50
3606308.56	59.20	59.30	45.20	44.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	43.00	41.70	41.00	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	42.30	41.10	40.80	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	40.80	40.10	40.50	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	39.70	38.40	33.70	33.70	34.00	33.50	33.40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	129.60	130.80	130.80	130.80	130.90	130.90	130.90	129.00	129.00
3607195.51	130.10	130.10	130.10	130.80	130.90	130.90	130.90	130.90	139.00
3607136.38	82.20	80.80	80.00	78.20	129.60	130.90	130.80	130.80	129.00
3607077.25	81.70	80.20	80.90	81.10	129.00	130.80	129.60	129.00	98.10
3607018.12	81.70	81.00	81.80	78.40	98.60	129.60	129.00	98.60	98.20
3606958.99	81.90	81.00	80.90	79.10	98.60	129.00	103.80	98.60	99.00
3606899.86	81.60	81.60	77.90	77.80	98.60	129.00	104.30	102.70	125.50
3606840.73	81.60	77.40	78.20	98.50	99.20	127.90	125.50	125.50	104.30
3606781.60	81.60	78.30	78.50	98.60	104.30	125.50	125.50	104.30	104.30
3606722.47	78.50	78.50	78.50	98.70	104.30	125.50	125.50	125.50	125.50
3606663.34	78.30	78.50	78.50	98.60	102.30	104.30	125.50	125.50	125.50
3606604.21	78.50	78.50	78.50	78.50	98.70	125.50	125.50	125.50	128.20
3606545.08	78.50	78.50	78.50	98.50	101.60	104.30	125.50	125.50	128.30
3606485.95	78.00	78.50	78.50	78.50	98.50	101.60	125.50	125.50	125.50
3606426.82	62.50	41.80	42.60	44.00	43.50	43.10	101.60	125.50	125.50
3606367.69	62.50	39.90	40.40	41.10	41.40	41.60	41.20	112.20	125.50
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	40.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	38.10	38.50	40.30
3606131.17	34.40	33.10	37.70	37.80	37.90	37.90	37.90	29.70	29.50
3606072.04	46.60	46.60	46.60	46.20	45.90	45.90	45.30	45.20	28.90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	129.00	128.70	139.00
3607195.51	139.00	139.00	139.00
3607136.38	128.70	128.00	139.00
3607077.25	100.10	103.70	107.80
3607018.12	98.70	102.50	103.70
3606958.99	104.30	101.40	103.10
3606899.86	125.50	104.30	125.50
3606840.73	90.60	90.90	125.50
3606781.60	125.50	125.90	128.30
3606722.47	125.50	128.30	139.00
3606663.34	125.50	132.20	136.70
3606604.21	128.30	128.30	128.30
3606545.08	128.30	132.20	136.70
3606485.95	128.30	128.30	128.30
3606426.82	126.40	128.30	128.30
3606367.69	125.50	126.40	128.20
3606308.56	125.50	125.50	125.50
3606249.43	40.20	40.00	39.90
3606190.30	125.50	125.50	125.50
3606131.17	39.40	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(	497063.6,	3606807.8,	78.2,	78.2,	0.0);	(	496962.2,	3606775.4,	63.0,	81.6,	0.0);
(	496960.6,	3606692.3,	61.2,	78.3,	0.0);	(	496963.9,	3606567.3,	51.9,	78.3,	0.0);
(	496956.1,	3606409.6,	41.7,	62.5,	0.0);	(	496869.7,	3606414.9,	43.6,	62.5,	0.0);
(	496768.2,	3606419.4,	45.8,	62.5,	0.0);	(	496687.5,	3606578.0,	58.4,	58.4,	0.0);
(	497159.2,	3606873.8,	77.5,	77.5,	0.0);	(	496517.0,	3606174.8,	34.5,	42.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002160	496556.5	3606249.4	0.28
L0002161	496556.5	3606249.4	0.02

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

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 RURAL

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

Surface file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC Met Version: 14134
Profile file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3178 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-3.2	0.067	-9.000	-9.000	-999.	41.	8.2	0.05	1.05	1.00	1.76	191.	10.0	281.4	2.0
09	01	01	1	02	-3.3	0.068	-9.000	-9.000	-999.	42.	8.4	0.06	1.05	1.00	1.76	168.	10.0	282.5	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	280.9	2.0
09	01	01	1	04	-3.3	0.068	-9.000	-9.000	-999.	42.	8.3	0.06	1.05	1.00	1.76	133.	10.0	279.9	2.0
09	01	01	1	05	-15.4	0.274	-9.000	-9.000	-999.	345.	119.1	0.06	1.05	1.00	3.86	143.	10.0	279.2	2.0
09	01	01	1	06	-12.3	0.110	-9.000	-9.000	-999.	113.	9.6	0.06	1.05	1.00	2.86	122.	10.0	279.2	2.0
09	01	01	1	07	-4.6	0.068	-9.000	-9.000	-999.	43.	5.9	0.06	1.05	1.00	1.76	135.	10.0	280.9	2.0
09	01	01	1	08	-3.3	0.063	-9.000	-9.000	-999.	38.	6.7	0.04	1.05	0.49	1.76	103.	10.0	282.0	2.0
09	01	01	1	09	35.2	-9.000	-9.000	-9.000	68.	-999.	-99999.0	0.06	1.05	0.29	0.00	0.	10.0	285.4	2.0
09	01	01	1	10	85.4	-9.000	-9.000	-9.000	144.	-999.	-99999.0	0.06	1.05	0.23	0.00	0.	10.0	287.5	2.0
09	01	01	1	11	119.2	-9.000	-9.000	-9.000	225.	-999.	-99999.0	0.06	1.05	0.21	0.00	0.	10.0	288.1	2.0
09	01	01	1	12	135.4	0.193	1.071	0.009	323.	204.	-4.8	0.06	1.05	0.20	1.76	999.	10.0	289.2	2.0
09	01	01	1	13	133.4	-9.000	-9.000	-9.000	428.	-999.	-99999.0	0.06	1.05	0.20	0.00	0.	10.0	290.9	2.0
09	01	01	1	14	111.9	0.350	1.173	0.007	513.	496.	-33.9	0.12	1.05	0.21	3.36	289.	10.0	289.9	2.0
09	01	01	1	15	72.9	0.340	1.069	0.007	595.	476.	-47.8	0.12	1.05	0.24	3.36	272.	10.0	288.8	2.0
09	01	01	1	16	19.2	0.362	0.691	0.007	609.	522.	-219.2	0.12	1.05	0.33	3.86	264.	10.0	286.4	2.0
09	01	01	1	17	-16.0	0.278	-9.000	-9.000	-999.	355.	118.8	0.12	1.05	0.60	3.36	251.	10.0	284.2	2.0
09	01	01	1	18	-12.6	0.228	-9.000	-9.000	-999.	262.	83.7	0.12	1.05	1.00	2.86	287.	10.0	284.2	2.0
09	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.8	2.0
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.1	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	191.	1.76	281.5	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	0.00009	0.00010	0.00010	0.00011	0.00011	0.00010	0.00009	0.00008	0.00007
3607195.51	0.00010	0.00011	0.00012	0.00012	0.00013	0.00012	0.00011	0.00010	0.00008
3607136.38	0.00010	0.00012	0.00013	0.00014	0.00015	0.00015	0.00014	0.00012	0.00010
3607077.25	0.00010	0.00013	0.00014	0.00015	0.00018	0.00018	0.00017	0.00015	0.00013
3607018.12	0.00012	0.00014	0.00015	0.00016	0.00019	0.00021	0.00021	0.00019	0.00016
3606958.99	0.00014	0.00015	0.00016	0.00017	0.00020	0.00023	0.00024	0.00025	0.00023
3606899.86	0.00015	0.00016	0.00016	0.00017	0.00020	0.00024	0.00026	0.00030	0.00031
3606840.73	0.00016	0.00017	0.00017	0.00018	0.00018	0.00023	0.00028	0.00034	0.00042
3606781.60	0.00017	0.00018	0.00018	0.00018	0.00017	0.00020	0.00027	0.00037	0.00052
3606722.47	0.00018	0.00020	0.00022	0.00022	0.00017	0.00020	0.00026	0.00038	0.00062
3606663.34	0.00017	0.00019	0.00027	0.00051	0.00022	0.00023	0.00025	0.00037	0.00058
3606604.21	0.00017	0.00018	0.00032	0.00062	0.00033	0.00029	0.00029	0.00033	0.00048
3606545.08	0.00016	0.00018	0.00038	0.00054	0.00037	0.00035	0.00031	0.00032	0.00042
3606485.95	0.00018	0.00019	0.00043	0.00051	0.00046	0.00044	0.00045	0.00046	0.00048
3606426.82	0.00018	0.00027	0.00058	0.00059	0.00108	0.00076	0.00084	0.00088	0.00088
3606367.69	0.00032	0.00058	0.00098	0.00079	0.00081	0.00098	0.00104	0.00112	0.00115
3606308.56	0.00030	0.00043	0.00083	0.00039	0.00031	0.00033	0.00032	0.00032	0.00032
3606249.43	0.00023	0.00033	0.00079	0.00032	0.00021	0.00019	0.00018	0.00017	0.00016
3606190.30	0.00016	0.00022	0.00120	0.00028	0.00016	0.00013	0.00012	0.00011	0.00010
3606131.17	0.00011	0.00013	0.00015	0.00017	0.00011	0.00009	0.00008	0.00008	0.00007
3606072.04	0.00007	0.00006	0.00006	0.00007	0.00006	0.00006	0.00006	0.00005	0.00005

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	0.00006	0.00005	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003
3607195.51	0.00007	0.00006	0.00005	0.00005	0.00004	0.00004	0.00004	0.00003	0.00003
3607136.38	0.00008	0.00006	0.00005	0.00005	0.00005	0.00005	0.00005	0.00004	0.00004
3607077.25	0.00009	0.00007	0.00006	0.00006	0.00006	0.00007	0.00005	0.00004	0.00004
3607018.12	0.00011	0.00008	0.00007	0.00007	0.00008	0.00008	0.00006	0.00004	0.00004
3606958.99	0.00017	0.00012	0.00010	0.00010	0.00010	0.00010	0.00008	0.00005	0.00005
3606899.86	0.00028	0.00019	0.00014	0.00013	0.00013	0.00013	0.00010	0.00008	0.00007
3606840.73	0.00050	0.00040	0.00024	0.00025	0.00021	0.00018	0.00015	0.00013	0.00010
3606781.60	0.00077	0.00051	0.00078	0.00063	0.00038	0.00031	0.00026	0.00020	0.00017
3606722.47	0.00085	0.00137	0.00237	0.00170	0.00085	0.00060	0.00046	0.00037	0.00029
3606663.34	0.00079	0.00152	0.00269	0.00186	0.00119	0.00085	0.00064	0.00050	0.00039
3606604.21	0.00058	0.00074	0.00213	0.00201	0.00132	0.00095	0.00070	0.00054	0.00044
3606545.08	0.00051	0.00053	0.00068	0.00132	0.00185	0.00168	0.00075	0.00054	0.00042
3606485.95	0.00049	0.00050	0.00049	0.00056	0.00095	0.00121	0.00057	0.00042	0.00036
3606426.82	0.00086	0.00087	0.00085	0.00082	0.00102	0.00117	0.00050	0.00037	0.00030
3606367.69	0.00118	0.00123	0.00125	0.00126	0.00117	0.00081	0.00048	0.00035	0.00028
3606308.56	0.00032	0.00032	0.00029	0.00027	0.00025	0.00024	0.00024	0.00023	0.00021
3606249.43	0.00016	0.00015	0.00014	0.00013	0.00013	0.00013	0.00014	0.00014	0.00014
3606190.30	0.00010	0.00009	0.00009	0.00009	0.00008	0.00009	0.00009	0.00009	0.00009
3606131.17	0.00007	0.00006	0.00006	0.00005	0.00005	0.00006	0.00006	0.00006	0.00007
3606072.04	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	0.00002	0.00002	0.00002
3607195.51	0.00003	0.00002	0.00002
3607136.38	0.00003	0.00003	0.00002
3607077.25	0.00003	0.00003	0.00002
3607018.12	0.00003	0.00003	0.00003
3606958.99	0.00005	0.00004	0.00004
3606899.86	0.00007	0.00006	0.00005
3606840.73	0.00009	0.00008	0.00008
3606781.60	0.00015	0.00014	0.00013
3606722.47	0.00024	0.00021	0.00018
3606663.34	0.00032	0.00028	0.00023
3606604.21	0.00037	0.00031	0.00026
3606545.08	0.00035	0.00030	0.00026
3606485.95	0.00031	0.00027	0.00024
3606426.82	0.00026	0.00023	0.00021
3606367.69	0.00024	0.00021	0.00018
3606308.56	0.00019	0.00017	0.00016
3606249.43	0.00014	0.00014	0.00013
3606190.30	0.00009	0.00009	0.00009
3606131.17	0.00007	0.00007	0.00007
3606072.04	0.00005	0.00006	0.00006

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497063.62	3606807.82	0.00042	496962.22	3606775.42	0.00079
496960.57	3606692.34	0.00079	496963.87	3606567.33	0.00052
496956.09	3606409.58	0.00133	496869.73	3606414.95	0.00109
496768.16	3606419.43	0.00091	496687.45	3606578.01	0.00033
497159.16	3606873.81	0.00016	496516.98	3606174.85	0.00025

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00269 AT	(497092.95, 3606663.34, 59.10, 78.50, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00237 AT	(497092.95, 3606722.47, 64.10, 78.50, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00213 AT	(497092.95, 3606604.21, 50.40, 78.50, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00201 AT	(497152.55, 3606604.21, 53.50, 78.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00186 AT	(497152.55, 3606663.34, 54.30, 98.60, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00185 AT	(497212.15, 3606545.08, 47.00, 101.60, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00170 AT	(497152.55, 3606722.47, 57.30, 98.70, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00168 AT	(497271.75, 3606545.08, 48.50, 104.30, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00152 AT	(497033.35, 3606663.34, 62.50, 78.50, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00137 AT	(497033.35, 3606722.47, 63.80, 78.50, 0.00)	GC	UCART1

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

A Total of   0 Fatal Error Message(s)
A Total of   6 Warning Message(s)
A Total of   16961 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13845 Calm Hours Identified

A Total of   3116 Missing Hours Identified (7.10 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   1041   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1042   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1043   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1044   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
MX W430   33748   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110704
MX W430   33749   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110705

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 8/4/2021
** File: C:\Lakes\AERMOD View\Shinohara HRA - 2nd 14 yrs\Shinohara HRA - 2nd 14 yrs.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Shinohara HRA - 2 year\Shinohara HRA - 2 year.i
   TITLETWO Shinohara DPM Concentrations - 1st 14 years
   MODELOPT CONC FLAT ELEV
   AVERTIME PERIOD
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "Shinohara HRA - 2nd 14 yrs.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site - Project Driveway to Loading Area
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.98E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 5
** 497125.107, 3606563.656, 46.25, 0.00, 1.53
** 497116.635, 3606572.599, 46.24, 0.00, 1.53
** 497111.457, 3606587.191, 48.45, 0.00, 1.53
** 497113.340, 3606656.851, 53.51, 0.00, 1.53
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** 497113.261, 3606777.752, 72.42, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0002195     VOLUME   497123.979 3606564.847 46.90
   LOCATION L0002196     VOLUME   497121.724 3606567.228 46.81
   LOCATION L0002197     VOLUME   497119.468 3606569.609 46.72
   LOCATION L0002198     VOLUME   497117.212 3606571.990 46.93
   LOCATION L0002199     VOLUME   497115.819 3606574.900 47.17
   LOCATION L0002200     VOLUME   497114.722 3606577.991 47.42
   LOCATION L0002201     VOLUME   497113.625 3606581.082 47.66
   LOCATION L0002202     VOLUME   497112.528 3606584.173 47.91
   LOCATION L0002203     VOLUME   497111.460 3606587.269 48.15
   LOCATION L0002204     VOLUME   497111.548 3606590.548 48.39
   LOCATION L0002205     VOLUME   497111.637 3606593.827 48.67
   LOCATION L0002206     VOLUME   497111.725 3606597.105 48.95
   LOCATION L0002207     VOLUME   497111.814 3606600.384 49.24
   LOCATION L0002208     VOLUME   497111.903 3606603.663 49.52
   LOCATION L0002209     VOLUME   497111.991 3606606.942 49.80
   LOCATION L0002210     VOLUME   497112.080 3606610.221 50.08
   LOCATION L0002211     VOLUME   497112.169 3606613.499 50.36
   LOCATION L0002212     VOLUME   497112.257 3606616.778 50.64
   LOCATION L0002213     VOLUME   497112.346 3606620.057 50.91
   LOCATION L0002214     VOLUME   497112.434 3606623.336 51.21
   LOCATION L0002215     VOLUME   497112.523 3606626.615 51.52
   LOCATION L0002216     VOLUME   497112.612 3606629.894 51.83
   LOCATION L0002217     VOLUME   497112.700 3606633.172 52.14
   LOCATION L0002218     VOLUME   497112.789 3606636.451 52.44
   LOCATION L0002219     VOLUME   497112.877 3606639.730 52.74
   LOCATION L0002220     VOLUME   497112.966 3606643.009 53.04
   LOCATION L0002221     VOLUME   497113.055 3606646.288 53.34
   LOCATION L0002222     VOLUME   497113.143 3606649.566 53.64
   LOCATION L0002223     VOLUME   497113.232 3606652.845 53.95
   LOCATION L0002224     VOLUME   497113.321 3606656.124 54.34
   LOCATION L0002225     VOLUME   497113.339 3606659.404 54.74
   LOCATION L0002226     VOLUME   497113.336 3606662.684 55.15
   LOCATION L0002227     VOLUME   497113.334 3606665.964 55.55
   LOCATION L0002228     VOLUME   497113.332 3606669.244 55.96
   LOCATION L0002229     VOLUME   497113.330 3606672.524 56.36
   LOCATION L0002230     VOLUME   497113.328 3606675.804 56.77
   LOCATION L0002231     VOLUME   497113.326 3606679.084 57.17
   LOCATION L0002232     VOLUME   497113.324 3606682.364 57.58
   LOCATION L0002233     VOLUME   497113.321 3606685.644 57.97
   LOCATION L0002234     VOLUME   497113.319 3606688.924 58.35
   LOCATION L0002235     VOLUME   497113.317 3606692.204 58.74
   LOCATION L0002236     VOLUME   497113.315 3606695.484 59.13
   LOCATION L0002237     VOLUME   497113.313 3606698.764 59.51
   LOCATION L0002238     VOLUME   497113.311 3606702.044 59.90
   LOCATION L0002239     VOLUME   497113.309 3606705.324 60.28
   LOCATION L0002240     VOLUME   497113.306 3606708.604 60.67
   LOCATION L0002241     VOLUME   497113.304 3606711.884 61.06
   LOCATION L0002242     VOLUME   497113.302 3606715.164 61.46
   LOCATION L0002243     VOLUME   497113.300 3606718.444 61.88
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   LOCATION L0002244     VOLUME   497113.298 3606721.724 62.30
   LOCATION L0002245     VOLUME   497113.296 3606725.004 62.72
   LOCATION L0002246     VOLUME   497113.294 3606728.284 63.14
   LOCATION L0002247     VOLUME   497113.291 3606731.564 63.56
   LOCATION L0002248     VOLUME   497113.289 3606734.844 63.98
   LOCATION L0002249     VOLUME   497113.287 3606738.124 64.40
   LOCATION L0002250     VOLUME   497113.285 3606741.404 64.82
   LOCATION L0002251     VOLUME   497113.283 3606744.684 65.25
   LOCATION L0002252     VOLUME   497113.281 3606747.964 66.04
   LOCATION L0002253     VOLUME   497113.279 3606751.244 66.83
   LOCATION L0002254     VOLUME   497113.276 3606754.524 67.63
   LOCATION L0002255     VOLUME   497113.274 3606757.804 68.42
   LOCATION L0002256     VOLUME   497113.272 3606761.084 69.21
   LOCATION L0002257     VOLUME   497113.270 3606764.364 70.01
   LOCATION L0002258     VOLUME   497113.268 3606767.644 70.80
   LOCATION L0002259     VOLUME   497113.266 3606770.924 71.59
   LOCATION L0002260     VOLUME   497113.264 3606774.204 72.39
   LOCATION L0002261     VOLUME   497113.261 3606777.484 72.87
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Shinohara Lane from Project Driveway to Brandywine Ave
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 9.38E-07
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 3
** 497126.126, 3606562.573, 46.29, 0.00, 1.53
** 497128.006, 3606560.276, 46.47, 0.00, 1.53
** 497249.204, 3606559.551, 48.32, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0002262     VOLUME   497127.165 3606561.304 46.94
   LOCATION L0002263     VOLUME   497129.958 3606560.264 47.13
   LOCATION L0002264     VOLUME   497133.238 3606560.244 47.48
   LOCATION L0002265     VOLUME   497136.517 3606560.225 47.83
   LOCATION L0002266     VOLUME   497139.797 3606560.205 48.18
   LOCATION L0002267     VOLUME   497143.077 3606560.186 48.53
   LOCATION L0002268     VOLUME   497146.357 3606560.166 48.79
   LOCATION L0002269     VOLUME   497149.637 3606560.146 48.69
   LOCATION L0002270     VOLUME   497152.917 3606560.127 48.58
   LOCATION L0002271     VOLUME   497156.197 3606560.107 48.47
   LOCATION L0002272     VOLUME   497159.477 3606560.087 48.36
   LOCATION L0002273     VOLUME   497162.757 3606560.068 48.26
   LOCATION L0002274     VOLUME   497166.037 3606560.048 48.15
   LOCATION L0002275     VOLUME   497169.317 3606560.029 48.04
   LOCATION L0002276     VOLUME   497172.597 3606560.009 47.97
   LOCATION L0002277     VOLUME   497175.877 3606559.989 48.02
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   LOCATION L0002278     VOLUME   497179.157 3606559.970 48.07
   LOCATION L0002279     VOLUME   497182.437 3606559.950 48.11
   LOCATION L0002280     VOLUME   497185.717 3606559.931 48.16
   LOCATION L0002281     VOLUME   497188.997 3606559.911 48.21
   LOCATION L0002282     VOLUME   497192.276 3606559.891 48.25
   LOCATION L0002283     VOLUME   497195.556 3606559.872 48.30
   LOCATION L0002284     VOLUME   497198.836 3606559.852 48.34
   LOCATION L0002285     VOLUME   497202.116 3606559.832 48.36
   LOCATION L0002286     VOLUME   497205.396 3606559.813 48.37
   LOCATION L0002287     VOLUME   497208.676 3606559.793 48.39
   LOCATION L0002288     VOLUME   497211.956 3606559.774 48.41
   LOCATION L0002289     VOLUME   497215.236 3606559.754 48.43
   LOCATION L0002290     VOLUME   497218.516 3606559.734 48.45
   LOCATION L0002291     VOLUME   497221.796 3606559.715 48.47
   LOCATION L0002292     VOLUME   497225.076 3606559.695 48.48
   LOCATION L0002293     VOLUME   497228.356 3606559.676 48.46
   LOCATION L0002294     VOLUME   497231.636 3606559.656 48.43
   LOCATION L0002295     VOLUME   497234.916 3606559.636 48.41
   LOCATION L0002296     VOLUME   497238.196 3606559.617 48.39
   LOCATION L0002297     VOLUME   497241.476 3606559.597 48.37
   LOCATION L0002298     VOLUME   497244.756 3606559.577 48.35
   LOCATION L0002299     VOLUME   497248.035 3606559.558 48.32
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Brandywine Ave from Shinohara Lane to Main Street
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.32E-06
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
** 497249.977, 3606559.231, 48.32, 0.00, 1.53
** 497251.206, 3606385.124, 42.07, 0.00, 1.53
** ----------------------------------------------------------------------
   LOCATION L0002300     VOLUME   497249.989 3606557.591 48.25
   LOCATION L0002301     VOLUME   497250.012 3606554.311 48.14
   LOCATION L0002302     VOLUME   497250.035 3606551.032 48.03
   LOCATION L0002303     VOLUME   497250.058 3606547.752 47.92
   LOCATION L0002304     VOLUME   497250.082 3606544.472 47.81
   LOCATION L0002305     VOLUME   497250.105 3606541.192 47.70
   LOCATION L0002306     VOLUME   497250.128 3606537.912 47.59
   LOCATION L0002307     VOLUME   497250.151 3606534.632 47.48
   LOCATION L0002308     VOLUME   497250.174 3606531.352 47.37
   LOCATION L0002309     VOLUME   497250.197 3606528.072 47.26
   LOCATION L0002310     VOLUME   497250.220 3606524.792 47.14
   LOCATION L0002311     VOLUME   497250.244 3606521.512 47.01
   LOCATION L0002312     VOLUME   497250.267 3606518.232 46.89
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   LOCATION L0002313     VOLUME   497250.290 3606514.952 46.77
   LOCATION L0002314     VOLUME   497250.313 3606511.673 46.64
   LOCATION L0002315     VOLUME   497250.336 3606508.393 46.52
   LOCATION L0002316     VOLUME   497250.359 3606505.113 46.39
   LOCATION L0002317     VOLUME   497250.382 3606501.833 46.27
   LOCATION L0002318     VOLUME   497250.406 3606498.553 46.14
   LOCATION L0002319     VOLUME   497250.429 3606495.273 45.99
   LOCATION L0002320     VOLUME   497250.452 3606491.993 45.84
   LOCATION L0002321     VOLUME   497250.475 3606488.713 45.69
   LOCATION L0002322     VOLUME   497250.498 3606485.433 45.53
   LOCATION L0002323     VOLUME   497250.521 3606482.153 45.38
   LOCATION L0002324     VOLUME   497250.544 3606478.873 45.22
   LOCATION L0002325     VOLUME   497250.567 3606475.593 45.07
   LOCATION L0002326     VOLUME   497250.591 3606472.314 44.92
   LOCATION L0002327     VOLUME   497250.614 3606469.034 44.76
   LOCATION L0002328     VOLUME   497250.637 3606465.754 44.60
   LOCATION L0002329     VOLUME   497250.660 3606462.474 44.42
   LOCATION L0002330     VOLUME   497250.683 3606459.194 44.24
   LOCATION L0002331     VOLUME   497250.706 3606455.914 44.07
   LOCATION L0002332     VOLUME   497250.729 3606452.634 43.90
   LOCATION L0002333     VOLUME   497250.753 3606449.354 43.72
   LOCATION L0002334     VOLUME   497250.776 3606446.074 43.55
   LOCATION L0002335     VOLUME   497250.799 3606442.794 43.38
   LOCATION L0002336     VOLUME   497250.822 3606439.514 43.20
   LOCATION L0002337     VOLUME   497250.845 3606436.234 43.03
   LOCATION L0002338     VOLUME   497250.868 3606432.955 42.90
   LOCATION L0002339     VOLUME   497250.891 3606429.675 42.76
   LOCATION L0002340     VOLUME   497250.915 3606426.395 42.62
   LOCATION L0002341     VOLUME   497250.938 3606423.115 42.48
   LOCATION L0002342     VOLUME   497250.961 3606419.835 42.35
   LOCATION L0002343     VOLUME   497250.984 3606416.555 42.21
   LOCATION L0002344     VOLUME   497251.007 3606413.275 42.07
   LOCATION L0002345     VOLUME   497251.030 3606409.995 41.94
   LOCATION L0002346     VOLUME   497251.053 3606406.715 41.80
   LOCATION L0002347     VOLUME   497251.077 3606403.435 41.79
   LOCATION L0002348     VOLUME   497251.100 3606400.155 41.83
   LOCATION L0002349     VOLUME   497251.123 3606396.875 41.86
   LOCATION L0002350     VOLUME   497251.146 3606393.595 41.89
   LOCATION L0002351     VOLUME   497251.169 3606390.316 41.93
   LOCATION L0002352     VOLUME   497251.192 3606387.036 41.96
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Main Street from Brandywine Ave to 805 freeway
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 4.47E-06
** Elevated
** Vertical Dimension = 3.66
```

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** SZINIT = 0.85
** Nodes = 2
** 497250.550, 3606383.877, 42.07, 0.00, 1.53
** 496658.774, 3606390.392, 39.20, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0002353     VOLUME   497248.910 3606383.895 41.98
   LOCATION L0002354     VOLUME   497245.630 3606383.931 42.02
   LOCATION L0002355     VOLUME   497242.350 3606383.967 42.06
   LOCATION L0002356     VOLUME   497239.071 3606384.003 42.10
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LOCATION L0002408 VOLUME 497068.521 3606385.881 40.33
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LOCATION L0002422 VOLUME 497022.604 3606386.387 40.81
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LOCATION L0002443 VOLUME 496953.728 3606387.145 40.40
LOCATION L0002444 VOLUME 496950.448 3606387.181 40.38
LOCATION L0002445 VOLUME 496947.168 3606387.217 40.36
LOCATION L0002446 VOLUME 496943.888 3606387.253 40.34
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LOCATION L0002449 VOLUME 496934.049 3606387.362 40.43

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LOCATION L0002476     VOLUME   496845.494 3606388.337 42.39
LOCATION L0002477     VOLUME   496842.215 3606388.373 42.43
LOCATION L0002478     VOLUME   496838.935 3606388.409 42.48
LOCATION L0002479     VOLUME   496835.655 3606388.445 42.52
LOCATION L0002480     VOLUME   496832.375 3606388.481 42.56
LOCATION L0002481     VOLUME   496829.095 3606388.517 42.61
LOCATION L0002482     VOLUME   496825.816 3606388.553 42.65
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LOCATION L0002486     VOLUME   496812.696 3606388.698 42.83
LOCATION L0002487     VOLUME   496809.417 3606388.734 42.88
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LOCATION L0002494     VOLUME   496786.458 3606388.987 43.09
LOCATION L0002495     VOLUME   496783.178 3606389.023 43.12
LOCATION L0002496     VOLUME   496779.898 3606389.059 43.13
LOCATION L0002497     VOLUME   496776.619 3606389.095 43.06
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LOCATION L0002500     VOLUME   496766.779 3606389.203 42.85
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   LOCATION L0002506     VOLUME   496747.100 3606389.420 42.42
   LOCATION L0002507     VOLUME   496743.821 3606389.456 42.35
   LOCATION L0002508     VOLUME   496740.541 3606389.492 42.27
   LOCATION L0002509     VOLUME   496737.261 3606389.528 42.20
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   LOCATION L0002514     VOLUME   496720.862 3606389.709 41.69
   LOCATION L0002515     VOLUME   496717.582 3606389.745 41.56
   LOCATION L0002516     VOLUME   496714.302 3606389.781 41.43
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   LOCATION L0002527     VOLUME   496678.225 3606390.178 39.78
   LOCATION L0002528     VOLUME   496674.945 3606390.214 39.66
   LOCATION L0002529     VOLUME   496671.665 3606390.251 39.58
   LOCATION L0002530     VOLUME   496668.385 3606390.287 39.51
   LOCATION L0002531     VOLUME   496665.105 3606390.323 39.43
   LOCATION L0002532     VOLUME   496661.826 3606390.359 39.36
** End of LINE VOLUME Source ID = SLINE4
   LOCATION STCK1        POINT      497086.160  3606629.320       54.370
** DESCRSRC Idle Position 1
   LOCATION STCK2        POINT      497085.270  3606660.680       59.380
** DESCRSRC Idle Position 2
   LOCATION STCK3        POINT      497085.940  3606691.590       62.580
** DESCRSRC Idle Position 3
   LOCATION STCK4        POINT      497086.160  3606731.400       64.210
** DESCRSRC Idle Position 4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC 805 Freeway Northbound Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 1.03E-06
** Elevated
** Vertical Dimension = 3.66
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** Nodes = 3
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** 496635.811, 3606665.221, 55.96, 0.00, 1.53
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   LOCATION L0002541     VOLUME   496658.385 3606420.511 39.97
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   LOCATION L0002555     VOLUME   496654.288 3606466.248 41.48
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   LOCATION L0002564     VOLUME   496651.559 3606495.641 42.29
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   LOCATION L0002570     VOLUME   496649.739 3606515.237 43.75
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   LOCATION L0002575     VOLUME   496648.223 3606531.567 45.39
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   LOCATION L0002580     VOLUME   496646.706 3606547.897 46.61
   LOCATION L0002581     VOLUME   496646.403 3606551.162 46.84
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   LOCATION L0002587     VOLUME   496644.583 3606570.758 48.72
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   LOCATION L0002597     VOLUME   496641.550 3606603.418 52.23
   LOCATION L0002598     VOLUME   496641.247 3606606.684 52.56
   LOCATION L0002599     VOLUME   496640.943 3606609.950 52.88
   LOCATION L0002600     VOLUME   496640.640 3606613.215 53.19
   LOCATION L0002601     VOLUME   496640.337 3606616.481 53.49
   LOCATION L0002602     VOLUME   496640.034 3606619.747 53.78
   LOCATION L0002603     VOLUME   496639.730 3606623.013 54.04
   LOCATION L0002604     VOLUME   496639.427 3606626.279 54.27
   LOCATION L0002605     VOLUME   496639.124 3606629.545 54.50
   LOCATION L0002606     VOLUME   496638.820 3606632.811 54.71
   LOCATION L0002607     VOLUME   496638.517 3606636.077 54.93
   LOCATION L0002608     VOLUME   496638.214 3606639.343 55.14
   LOCATION L0002609     VOLUME   496637.910 3606642.609 55.34
   LOCATION L0002610     VOLUME   496637.607 3606645.875 55.54
   LOCATION L0002611     VOLUME   496637.304 3606649.141 55.73
   LOCATION L0002612     VOLUME   496637.001 3606652.407 55.92
   LOCATION L0002613     VOLUME   496636.697 3606655.673 56.04
   LOCATION L0002614     VOLUME   496636.394 3606658.939 56.15
   LOCATION L0002615     VOLUME   496636.091 3606662.205 56.26
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Main Street from 805 NB Ramp to SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 4.6E-07
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 2
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   LOCATION L0002626     VOLUME   496623.124 3606388.542 41.55
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   LOCATION L0002629     VOLUME   496613.291 3606388.186 41.88
   LOCATION L0002630     VOLUME   496610.013 3606388.068 41.99
   LOCATION L0002631     VOLUME   496606.735 3606387.949 42.09
   LOCATION L0002632     VOLUME   496603.457 3606387.830 42.19
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   LOCATION L0002634     VOLUME   496596.901 3606387.593 42.32
   LOCATION L0002635     VOLUME   496593.624 3606387.475 42.28
   LOCATION L0002636     VOLUME   496590.346 3606387.356 42.23
   LOCATION L0002637     VOLUME   496587.068 3606387.237 42.18
   LOCATION L0002638     VOLUME   496583.790 3606387.119 42.14
   LOCATION L0002639     VOLUME   496580.512 3606387.000 42.09
   LOCATION L0002640     VOLUME   496577.234 3606386.881 42.05
   LOCATION L0002641     VOLUME   496573.956 3606386.763 42.00
   LOCATION L0002642     VOLUME   496570.679 3606386.644 41.79
   LOCATION L0002643     VOLUME   496567.401 3606386.525 41.41
   LOCATION L0002644     VOLUME   496564.123 3606386.407 41.03
   LOCATION L0002645     VOLUME   496560.845 3606386.288 40.66
   LOCATION L0002646     VOLUME   496557.567 3606386.169 40.30
   LOCATION L0002647     VOLUME   496554.289 3606386.051 39.94
   LOCATION L0002648     VOLUME   496551.012 3606385.932 39.60
   LOCATION L0002649     VOLUME   496547.734 3606385.814 39.26
   LOCATION L0002650     VOLUME   496544.456 3606385.695 39.15
   LOCATION L0002651     VOLUME   496541.178 3606385.576 39.26
   LOCATION L0002652     VOLUME   496537.900 3606385.458 39.37
** End of LINE VOLUME Source ID = SLINE6
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC 805 SB Ramp
** PREFIX
** Length of Side = 3.28
** Configuration = Adjacent
** Emission Rate = 9.33E-07
** Elevated
** Vertical Dimension = 3.66
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** SZINIT = 0.85
** Nodes = 2
** 496537.129, 3606382.811, 39.16, 0.00, 1.53
** 496567.248, 3606137.652, 39.35, 0.00, 1.53
** ---------------------------------------------------------------------
   LOCATION L0002653     VOLUME   496537.329 3606381.184 39.30
   LOCATION L0002654     VOLUME   496537.729 3606377.928 39.24
   LOCATION L0002655     VOLUME   496538.129 3606374.673 39.17
   LOCATION L0002656     VOLUME   496538.529 3606371.417 39.08
   LOCATION L0002657     VOLUME   496538.929 3606368.161 39.00
   LOCATION L0002658     VOLUME   496539.329 3606364.906 38.92
   LOCATION L0002659     VOLUME   496539.729 3606361.650 38.84
   LOCATION L0002660     VOLUME   496540.129 3606358.395 38.76
   LOCATION L0002661     VOLUME   496540.529 3606355.139 38.69
   LOCATION L0002662     VOLUME   496540.929 3606351.884 38.62
   LOCATION L0002663     VOLUME   496541.329 3606348.628 38.55
   LOCATION L0002664     VOLUME   496541.729 3606345.373 38.49
   LOCATION L0002665     VOLUME   496542.129 3606342.117 38.48
   LOCATION L0002666     VOLUME   496542.529 3606338.862 38.48
   LOCATION L0002667     VOLUME   496542.929 3606335.606 38.50
   LOCATION L0002668     VOLUME   496543.329 3606332.351 38.51
   LOCATION L0002669     VOLUME   496543.728 3606329.095 38.53
   LOCATION L0002670     VOLUME   496544.128 3606325.840 38.55
   LOCATION L0002671     VOLUME   496544.528 3606322.584 38.58
   LOCATION L0002672     VOLUME   496544.928 3606319.329 38.61
   LOCATION L0002673     VOLUME   496545.328 3606316.073 38.64
   LOCATION L0002674     VOLUME   496545.728 3606312.818 38.69
   LOCATION L0002675     VOLUME   496546.128 3606309.562 38.77
   LOCATION L0002676     VOLUME   496546.528 3606306.307 38.91
   LOCATION L0002677     VOLUME   496546.928 3606303.051 39.04
   LOCATION L0002678     VOLUME   496547.328 3606299.795 39.17
   LOCATION L0002679     VOLUME   496547.728 3606296.540 39.30
   LOCATION L0002680     VOLUME   496548.128 3606293.284 39.42
   LOCATION L0002681     VOLUME   496548.528 3606290.029 39.54
   LOCATION L0002682     VOLUME   496548.928 3606286.773 39.65
   LOCATION L0002683     VOLUME   496549.328 3606283.518 39.76
   LOCATION L0002684     VOLUME   496549.728 3606280.262 39.87
   LOCATION L0002685     VOLUME   496550.128 3606277.007 39.99
   LOCATION L0002686     VOLUME   496550.528 3606273.751 40.09
   LOCATION L0002687     VOLUME   496550.928 3606270.496 40.20
   LOCATION L0002688     VOLUME   496551.328 3606267.240 40.30
   LOCATION L0002689     VOLUME   496551.728 3606263.985 40.39
   LOCATION L0002690     VOLUME   496552.128 3606260.729 40.48
   LOCATION L0002691     VOLUME   496552.528 3606257.474 40.57
   LOCATION L0002692     VOLUME   496552.928 3606254.218 40.65
   LOCATION L0002693     VOLUME   496553.328 3606250.963 40.67
   LOCATION L0002694     VOLUME   496553.727 3606247.707 40.59
   LOCATION L0002695     VOLUME   496554.127 3606244.452 40.50
   LOCATION L0002696     VOLUME   496554.527 3606241.196 40.42
   LOCATION L0002697     VOLUME   496554.927 3606237.941 40.34
   LOCATION L0002698     VOLUME   496555.327 3606234.685 40.27
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   LOCATION L0002699     VOLUME   496555.727 3606231.429 40.19
   LOCATION L0002700     VOLUME   496556.127 3606228.174 40.12
   LOCATION L0002701     VOLUME   496556.527 3606224.918 40.05
   LOCATION L0002702     VOLUME   496556.927 3606221.663 39.99
   LOCATION L0002703     VOLUME   496557.327 3606218.407 39.91
   LOCATION L0002704     VOLUME   496557.727 3606215.152 39.83
   LOCATION L0002705     VOLUME   496558.127 3606211.896 39.76
   LOCATION L0002706     VOLUME   496558.527 3606208.641 39.68
   LOCATION L0002707     VOLUME   496558.927 3606205.385 39.62
   LOCATION L0002708     VOLUME   496559.327 3606202.130 39.55
   LOCATION L0002709     VOLUME   496559.727 3606198.874 39.49
   LOCATION L0002710     VOLUME   496560.127 3606195.619 39.43
   LOCATION L0002711     VOLUME   496560.527 3606192.363 39.38
   LOCATION L0002712     VOLUME   496560.927 3606189.108 39.32
   LOCATION L0002713     VOLUME   496561.327 3606185.852 39.27
   LOCATION L0002714     VOLUME   496561.727 3606182.597 39.22
   LOCATION L0002715     VOLUME   496562.127 3606179.341 39.17
   LOCATION L0002716     VOLUME   496562.527 3606176.086 39.13
   LOCATION L0002717     VOLUME   496562.927 3606172.830 39.09
   LOCATION L0002718     VOLUME   496563.326 3606169.575 39.05
   LOCATION L0002719     VOLUME   496563.726 3606166.319 39.02
   LOCATION L0002720     VOLUME   496564.126 3606163.063 39.00
   LOCATION L0002721     VOLUME   496564.526 3606159.808 38.97
   LOCATION L0002722     VOLUME   496564.926 3606156.552 38.98
   LOCATION L0002723     VOLUME   496565.326 3606153.297 38.99
   LOCATION L0002724     VOLUME   496565.726 3606150.041 39.00
   LOCATION L0002725     VOLUME   496566.126 3606146.786 39.01
   LOCATION L0002726     VOLUME   496566.526 3606143.530 39.03
   LOCATION L0002727     VOLUME   496566.926 3606140.275 39.04
** End of LINE VOLUME Source ID = SLINE7
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0002195     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002196     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002197     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002198     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002199     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002200     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002201     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002202     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002203     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002204     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002205     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002206     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002207     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002208     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002209     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002210     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002211     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002212     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002213     0.00000002955      0.00      1.53      0.85
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   SRCPARAM L0002214     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002215     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002216     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002217     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002218     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002219     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002220     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002221     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002222     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002223     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002224     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002225     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002226     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002227     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002228     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002229     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002230     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002231     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002232     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002233     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002234     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002235     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002236     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002237     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002238     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002239     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002240     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002241     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002242     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002243     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002244     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002245     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002246     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002247     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002248     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002249     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002250     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002251     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002252     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002253     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002254     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002255     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002256     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002257     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002258     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002259     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002260     0.00000002955      0.00      1.53      0.85
   SRCPARAM L0002261     0.00000002955      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0002262     0.00000002468      0.00      1.53      0.85
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   SRCPARAM L0002263     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002264     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002265     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002266     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002267     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002268     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002269     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002270     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002271     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002272     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002273     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002274     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002275     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002276     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002277     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002278     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002279     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002280     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002281     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002282     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002283     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002284     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002285     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002286     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002287     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002288     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002289     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002290     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002291     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002292     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002293     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002294     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002295     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002296     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002297     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002298     0.00000002468      0.00      1.53      0.85
   SRCPARAM L0002299     0.00000002468      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0002300     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002301     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002302     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002303     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002304     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002305     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002306     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002307     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002308     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002309     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002310     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002311     0.00000002491      0.00      1.53      0.85
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   SRCPARAM L0002312     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002313     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002314     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002315     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002316     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002317     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002318     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002319     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002320     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002321     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002322     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002323     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002324     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002325     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002326     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002327     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002328     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002329     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002330     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002331     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002332     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002333     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002334     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002335     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002336     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002337     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002338     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002339     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002340     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002341     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002342     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002343     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002344     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002345     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002346     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002347     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002348     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002349     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002350     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002351     0.00000002491      0.00      1.53      0.85
   SRCPARAM L0002352     0.00000002491      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0002353     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002354     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002355     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002356     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002357     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002358     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002359     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002360     0.00000002483      0.00      1.53      0.85
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SRCPARAM L0002361     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002362     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002363     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002364     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002365     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002366     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002367     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002368     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002369     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002370     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002371     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002372     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002373     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002374     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002375     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002376     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002377     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002378     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002379     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002380     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002381     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002382     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002383     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002384     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002385     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002386     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002387     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002388     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002389     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002390     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002391     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002392     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002393     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002394     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002395     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002396     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002397     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002398     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002399     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002400     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002401     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002402     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002403     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002404     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002405     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002406     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002407     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002408     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002409     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002410     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002411     0.00000002483      0.00      1.53      0.85
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SRCPARAM L0002412     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002413     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002414     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002415     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002416     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002417     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002418     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002419     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002420     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002421     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002422     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002423     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002424     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002425     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002426     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002427     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002428     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002429     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002430     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002431     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002432     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002433     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002434     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002435     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002436     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002437     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002438     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002439     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002440     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002441     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002442     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002443     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002444     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002445     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002446     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002447     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002448     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002449     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002450     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002451     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002452     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002453     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002454     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002455     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002456     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002457     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002458     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002459     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002460     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002461     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002462     0.00000002483      0.00      1.53      0.85
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SRCPARAM L0002463     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002464     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002465     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002466     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002467     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002468     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002469     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002470     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002471     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002472     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002473     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002474     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002475     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002476     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002477     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002478     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002479     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002480     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002481     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002482     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002483     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002484     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002485     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002486     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002487     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002488     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002489     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002490     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002491     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002492     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002493     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002494     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002495     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002496     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002497     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002498     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002499     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002500     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002501     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002502     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002503     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002504     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002505     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002506     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002507     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002508     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002509     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002510     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002511     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002512     0.00000002483      0.00      1.53      0.85
SRCPARAM L0002513     0.00000002483      0.00      1.53      0.85
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   SRCPARAM L0002514     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002515     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002516     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002517     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002518     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002519     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002520     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002521     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002522     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002523     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002524     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002525     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002526     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002527     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002528     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002529     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002530     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002531     0.00000002483      0.00      1.53      0.85
   SRCPARAM L0002532     0.00000002483      0.00      1.53      0.85
** ------------------------------------------------------------------
   SRCPARAM STCK1         5.11E-06     3.658   366.000  51.90000     0.100
   SRCPARAM STCK2         5.11E-06     3.658   366.000  51.90000     0.100
   SRCPARAM STCK3         5.11E-06     3.658   366.000 551.90000     0.100
   SRCPARAM STCK4         5.11E-06     3.658   366.000  51.90000     0.100
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0002533     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002534     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002535     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002536     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002537     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002538     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002539     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002540     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002541     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002542     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002543     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002544     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002545     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002546     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002547     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002548     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002549     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002550     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002551     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002552     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002553     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002554     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002555     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002556     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002557     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002558     0.00000001241      0.00      1.53      0.85
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SRCPARAM L0002559     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002560     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002561     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002562     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002563     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002564     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002565     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002566     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002567     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002568     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002569     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002570     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002571     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002572     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002573     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002574     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002575     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002576     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002577     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002578     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002579     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002580     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002581     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002582     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002583     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002584     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002585     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002586     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002587     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002588     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002589     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002590     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002591     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002592     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002593     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002594     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002595     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002596     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002597     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002598     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002599     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002600     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002601     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002602     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002603     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002604     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002605     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002606     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002607     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002608     0.00000001241      0.00      1.53      0.85
SRCPARAM L0002609     0.00000001241      0.00      1.53      0.85
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   SRCPARAM L0002610     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002611     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002612     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002613     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002614     0.00000001241      0.00      1.53      0.85
   SRCPARAM L0002615     0.00000001241      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0002616     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002617     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002618     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002619     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002620     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002621     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002622     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002623     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002624     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002625     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002626     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002627     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002628     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002629     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002630     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002631     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002632     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002633     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002634     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002635     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002636     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002637     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002638     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002639     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002640     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002641     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002642     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002643     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002644     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002645     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002646     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002647     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002648     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002649     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002650     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002651     0.00000001243      0.00      1.53      0.85
   SRCPARAM L0002652     0.00000001243      0.00      1.53      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0002653     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002654     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002655     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002656     0.00000001244      0.00      1.53      0.85
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SRCPARAM L0002657     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002658     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002659     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002660     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002661     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002662     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002663     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002664     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002665     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002666     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002667     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002668     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002669     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002670     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002671     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002672     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002673     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002674     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002675     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002676     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002677     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002678     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002679     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002680     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002681     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002682     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002683     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002684     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002685     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002686     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002687     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002688     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002689     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002690     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002691     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002692     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002693     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002694     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002695     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002696     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002697     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002698     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002699     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002700     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002701     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002702     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002703     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002704     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002705     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002706     0.00000001244      0.00      1.53      0.85
SRCPARAM L0002707     0.00000001244      0.00      1.53      0.85
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   SRCPARAM L0002708     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002709     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002710     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002711     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002712     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002713     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002714     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002715     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002716     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002717     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002718     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002719     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002720     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002721     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002722     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002723     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002724     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002725     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002726     0.00000001244      0.00      1.53      0.85
   SRCPARAM L0002727     0.00000001244      0.00      1.53      0.85
** ------------------------------------------------------------------

** Building Downwash **
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19

   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
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BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK1	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK1	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK1	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK2	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK2	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK2	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK3	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK3	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK3	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDWID STCK4	134.62	161.13	183.02	199.35	209.63	213.75
BUILDWID STCK4	211.76	203.33	188.72	202.46	211.62	214.35
BUILDWID STCK4	210.68	201.08	185.37	164.25	138.47	108.47
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK1	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK1	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK1	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK2	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK2	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK2	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK3	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK3	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN STCK3	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN STCK4	164.25	138.47	108.47	134.62	161.13	183.02

BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
BUILDLEN	STCK4	202.46	211.62	214.35	210.68	201.08	185.37
BUILDLEN	STCK4	164.25	138.47	108.47	134.62	161.13	183.02
BUILDLEN	STCK4	199.35	209.63	213.75	211.76	203.33	188.72
XBADJ	STCK1	-61.02	-75.09	-86.87	-96.02	-102.25	-105.37
XBADJ	STCK1	-105.29	-102.01	-95.63	-116.76	-136.70	-152.49
XBADJ	STCK1	-163.64	-169.83	-170.85	-166.68	-157.45	-143.43
XBADJ	STCK1	-141.44	-136.53	-127.48	-114.66	-98.83	-80.00
XBADJ	STCK1	-58.97	-36.46	-12.84	-17.86	-24.43	-30.53
XBADJ	STCK1	-35.71	-39.80	-42.90	-45.08	-45.88	-45.29
XBADJ	STCK2	-91.75	-104.25	-113.59	-119.47	-121.72	-120.28
XBADJ	STCK2	-115.18	-106.58	-94.74	-110.44	-125.14	-136.04
XBADJ	STCK2	-142.80	-145.23	-143.25	-136.91	-126.41	-112.07
XBADJ	STCK2	-110.71	-107.37	-100.77	-91.21	-79.36	-65.09
XBADJ	STCK2	-49.08	-31.89	-13.73	-24.18	-35.99	-46.98
XBADJ	STCK2	-56.55	-64.40	-70.51	-74.85	-76.92	-76.65
XBADJ	STCK3	-122.31	-133.53	-140.69	-143.58	-142.10	-136.31
XBADJ	STCK3	-126.38	-112.61	-95.41	-105.73	-115.20	-121.16
XBADJ	STCK3	-123.45	-121.98	-116.81	-108.09	-96.08	-81.16
XBADJ	STCK3	-80.16	-78.09	-73.66	-67.10	-58.97	-49.06
XBADJ	STCK3	-37.88	-25.86	-13.06	-28.89	-45.93	-61.86
XBADJ	STCK3	-75.91	-87.65	-96.94	-103.67	-107.24	-107.56
XBADJ	STCK4	-161.55	-171.01	-175.28	-174.22	-167.86	-156.41
XBADJ	STCK4	-140.20	-119.73	-95.63	-99.03	-101.79	-101.45
XBADJ	STCK4	-98.03	-91.63	-82.45	-70.76	-56.92	-41.35
XBADJ	STCK4	-40.91	-40.61	-39.08	-36.46	-33.22	-28.96
XBADJ	STCK4	-24.05	-18.73	-12.84	-35.59	-59.34	-81.57
XBADJ	STCK4	-101.33	-118.00	-131.31	-141.00	-146.41	-147.37
YBADJ	STCK1	49.45	56.14	60.98	63.97	65.01	63.97
YBADJ	STCK1	60.80	55.78	49.07	40.21	30.72	20.30
YBADJ	STCK1	9.32	-1.71	-12.68	-23.16	-32.78	-41.40
YBADJ	STCK1	-49.45	-56.14	-60.98	-63.97	-65.01	-63.97
YBADJ	STCK1	-60.80	-55.78	-49.07	-40.21	-30.72	-20.30
YBADJ	STCK1	-9.32	1.71	12.68	23.16	32.78	41.40
YBADJ	STCK2	43.13	44.57	44.53	43.13	40.42	36.37
YBADJ	STCK2	31.03	24.75	17.71	9.48	1.56	-6.41
YBADJ	STCK2	-14.13	-21.18	-27.59	-33.05	-37.34	-40.51
YBADJ	STCK2	-43.13	-44.57	-44.53	-43.13	-40.42	-36.37
YBADJ	STCK2	-31.03	-24.75	-17.71	-9.48	-1.56	6.41
YBADJ	STCK2	14.13	21.18	27.59	33.05	37.34	40.51
YBADJ	STCK3	38.42	34.63	29.65	23.77	17.17	9.94
YBADJ	STCK3	2.21	-5.58	-13.20	-21.08	-27.72	-33.51
YBADJ	STCK3	-38.24	-41.56	-43.63	-44.25	-43.37	-41.17
YBADJ	STCK3	-38.42	-34.63	-29.65	-23.77	-17.17	-9.94

```
   YBADJ    STCK3           -2.21     5.58    13.20    21.08    27.72    33.51
   YBADJ    STCK3           38.24    41.56    43.63    44.25    43.37    41.17

   YBADJ    STCK4           31.72    21.22     9.94    -1.65   -13.19   -24.43
   YBADJ    STCK4          -35.12   -44.75   -53.01   -60.32   -65.20   -68.10
   YBADJ    STCK4          -68.88   -67.32   -63.72   -58.07   -50.50   -41.39
   YBADJ    STCK4          -31.72   -21.22    -9.94     1.65    13.19    24.43
   YBADJ    STCK4           35.12    44.75    53.01    60.32    65.20    68.10
   YBADJ    STCK4           68.88    67.32    63.72    58.07    50.50    41.39

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Shinohara HRA - 2nd 14 yrs.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC
   PROFFILE C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
   SURFDATA 3178 2009
   UAIRDATA 3190 2009
   PROFBASE 157.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "SHINOHARA HRA - 2ND 14 YRS.AD\PE00GALL.PLT" 31
   SUMMFILE "Shinohara HRA - 2nd 14 yrs.sum"
OU FINISHED


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

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

```
A Total of            0 Fatal Error Message(s)
A Total of            5 Warning Message(s)
A Total of            0 Informational Message(s)


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


   ********   WARNING MESSAGES   ********
SO W320    1041        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1042        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1043        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320    1044        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
RE W213     182       RECART: ELEV Input Inconsistent With Option: Input Ignored       UCART1

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

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

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

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Allow FLAT/ELEV Terrain Option by Source,
           with   0 FLAT and   537 ELEV Source(s).
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 537 Source(s);   1 Source Group(s); and   451 Receptor(s)

               with: 4 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 533 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

```
**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs 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) =   157.00 ;  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:   Shinohara HRA - 2nd 14 yrs.err
**File for Summary of Results:   Shinohara HRA - 2nd 14 yrs.sum
```

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.51100E-05	497086.2	3606629.3	54.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK2	0	0.51100E-05	497085.3	3606660.7	59.4	3.66	366.00	51.90	0.10	YES	NO	NO	
STCK3	0	0.51100E-05	497085.9	3606691.6	62.6	3.66	366.00	551.90	0.10	YES	NO	NO	
STCK4	0	0.51100E-05	497086.2	3606731.4	64.2	3.66	366.00	51.90	0.10	YES	NO	NO	

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** 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
L0002195	0	0.29550E-07	497124.0	3606564.8	46.9	0.00	1.53	0.85	NO	
L0002196	0	0.29550E-07	497121.7	3606567.2	46.8	0.00	1.53	0.85	NO	
L0002197	0	0.29550E-07	497119.5	3606569.6	46.7	0.00	1.53	0.85	NO	
L0002198	0	0.29550E-07	497117.2	3606572.0	46.9	0.00	1.53	0.85	NO	
L0002199	0	0.29550E-07	497115.8	3606574.9	47.2	0.00	1.53	0.85	NO	
L0002200	0	0.29550E-07	497114.7	3606578.0	47.4	0.00	1.53	0.85	NO	
L0002201	0	0.29550E-07	497113.6	3606581.1	47.7	0.00	1.53	0.85	NO	
L0002202	0	0.29550E-07	497112.5	3606584.2	47.9	0.00	1.53	0.85	NO	
L0002203	0	0.29550E-07	497111.5	3606587.3	48.1	0.00	1.53	0.85	NO	
L0002204	0	0.29550E-07	497111.5	3606590.5	48.4	0.00	1.53	0.85	NO	
L0002205	0	0.29550E-07	497111.6	3606593.8	48.7	0.00	1.53	0.85	NO	
L0002206	0	0.29550E-07	497111.7	3606597.1	48.9	0.00	1.53	0.85	NO	
L0002207	0	0.29550E-07	497111.8	3606600.4	49.2	0.00	1.53	0.85	NO	
L0002208	0	0.29550E-07	497111.9	3606603.7	49.5	0.00	1.53	0.85	NO	
L0002209	0	0.29550E-07	497112.0	3606606.9	49.8	0.00	1.53	0.85	NO	
L0002210	0	0.29550E-07	497112.1	3606610.2	50.1	0.00	1.53	0.85	NO	
L0002211	0	0.29550E-07	497112.2	3606613.5	50.4	0.00	1.53	0.85	NO	
L0002212	0	0.29550E-07	497112.3	3606616.8	50.6	0.00	1.53	0.85	NO	
L0002213	0	0.29550E-07	497112.3	3606620.1	50.9	0.00	1.53	0.85	NO	
L0002214	0	0.29550E-07	497112.4	3606623.3	51.2	0.00	1.53	0.85	NO	
L0002215	0	0.29550E-07	497112.5	3606626.6	51.5	0.00	1.53	0.85	NO	
L0002216	0	0.29550E-07	497112.6	3606629.9	51.8	0.00	1.53	0.85	NO	
L0002217	0	0.29550E-07	497112.7	3606633.2	52.1	0.00	1.53	0.85	NO	
L0002218	0	0.29550E-07	497112.8	3606636.5	52.4	0.00	1.53	0.85	NO	
L0002219	0	0.29550E-07	497112.9	3606639.7	52.7	0.00	1.53	0.85	NO	
L0002220	0	0.29550E-07	497113.0	3606643.0	53.0	0.00	1.53	0.85	NO	
L0002221	0	0.29550E-07	497113.1	3606646.3	53.3	0.00	1.53	0.85	NO	
L0002222	0	0.29550E-07	497113.1	3606649.6	53.6	0.00	1.53	0.85	NO	
L0002223	0	0.29550E-07	497113.2	3606652.8	53.9	0.00	1.53	0.85	NO	
L0002224	0	0.29550E-07	497113.3	3606656.1	54.3	0.00	1.53	0.85	NO	
L0002225	0	0.29550E-07	497113.3	3606659.4	54.7	0.00	1.53	0.85	NO	
L0002226	0	0.29550E-07	497113.3	3606662.7	55.1	0.00	1.53	0.85	NO	
L0002227	0	0.29550E-07	497113.3	3606666.0	55.5	0.00	1.53	0.85	NO	
L0002228	0	0.29550E-07	497113.3	3606669.2	56.0	0.00	1.53	0.85	NO	
L0002229	0	0.29550E-07	497113.3	3606672.5	56.4	0.00	1.53	0.85	NO	
L0002230	0	0.29550E-07	497113.3	3606675.8	56.8	0.00	1.53	0.85	NO	
L0002231	0	0.29550E-07	497113.3	3606679.1	57.2	0.00	1.53	0.85	NO	
L0002232	0	0.29550E-07	497113.3	3606682.4	57.6	0.00	1.53	0.85	NO	

L0002233	0	0.29550E-07	497113.3	3606685.6	58.0	0.00	1.53	0.85	NO
L0002234	0	0.29550E-07	497113.3	3606688.9	58.3	0.00	1.53	0.85	NO

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** VOLUME SOURCE DATA ***

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L0002235	0	0.29550E-07	497113.3	3606692.2	58.7	0.00	1.53	0.85	NO	
L0002236	0	0.29550E-07	497113.3	3606695.5	59.1	0.00	1.53	0.85	NO	
L0002237	0	0.29550E-07	497113.3	3606698.8	59.5	0.00	1.53	0.85	NO	
L0002238	0	0.29550E-07	497113.3	3606702.0	59.9	0.00	1.53	0.85	NO	
L0002239	0	0.29550E-07	497113.3	3606705.3	60.3	0.00	1.53	0.85	NO	
L0002240	0	0.29550E-07	497113.3	3606708.6	60.7	0.00	1.53	0.85	NO	
L0002241	0	0.29550E-07	497113.3	3606711.9	61.1	0.00	1.53	0.85	NO	
L0002242	0	0.29550E-07	497113.3	3606715.2	61.5	0.00	1.53	0.85	NO	
L0002243	0	0.29550E-07	497113.3	3606718.4	61.9	0.00	1.53	0.85	NO	
L0002244	0	0.29550E-07	497113.3	3606721.7	62.3	0.00	1.53	0.85	NO	
L0002245	0	0.29550E-07	497113.3	3606725.0	62.7	0.00	1.53	0.85	NO	
L0002246	0	0.29550E-07	497113.3	3606728.3	63.1	0.00	1.53	0.85	NO	
L0002247	0	0.29550E-07	497113.3	3606731.6	63.6	0.00	1.53	0.85	NO	
L0002248	0	0.29550E-07	497113.3	3606734.8	64.0	0.00	1.53	0.85	NO	
L0002249	0	0.29550E-07	497113.3	3606738.1	64.4	0.00	1.53	0.85	NO	
L0002250	0	0.29550E-07	497113.3	3606741.4	64.8	0.00	1.53	0.85	NO	
L0002251	0	0.29550E-07	497113.3	3606744.7	65.2	0.00	1.53	0.85	NO	
L0002252	0	0.29550E-07	497113.3	3606748.0	66.0	0.00	1.53	0.85	NO	
L0002253	0	0.29550E-07	497113.3	3606751.2	66.8	0.00	1.53	0.85	NO	
L0002254	0	0.29550E-07	497113.3	3606754.5	67.6	0.00	1.53	0.85	NO	
L0002255	0	0.29550E-07	497113.3	3606757.8	68.4	0.00	1.53	0.85	NO	
L0002256	0	0.29550E-07	497113.3	3606761.1	69.2	0.00	1.53	0.85	NO	
L0002257	0	0.29550E-07	497113.3	3606764.4	70.0	0.00	1.53	0.85	NO	
L0002258	0	0.29550E-07	497113.3	3606767.6	70.8	0.00	1.53	0.85	NO	
L0002259	0	0.29550E-07	497113.3	3606770.9	71.6	0.00	1.53	0.85	NO	
L0002260	0	0.29550E-07	497113.3	3606774.2	72.4	0.00	1.53	0.85	NO	
L0002261	0	0.29550E-07	497113.3	3606777.5	72.9	0.00	1.53	0.85	NO	
L0002262	0	0.24680E-07	497127.2	3606561.3	46.9	0.00	1.53	0.85	NO	
L0002263	0	0.24680E-07	497130.0	3606560.3	47.1	0.00	1.53	0.85	NO	
L0002264	0	0.24680E-07	497133.2	3606560.2	47.5	0.00	1.53	0.85	NO	
L0002265	0	0.24680E-07	497136.5	3606560.2	47.8	0.00	1.53	0.85	NO	
L0002266	0	0.24680E-07	497139.8	3606560.2	48.2	0.00	1.53	0.85	NO	
L0002267	0	0.24680E-07	497143.1	3606560.2	48.5	0.00	1.53	0.85	NO	
L0002268	0	0.24680E-07	497146.4	3606560.2	48.8	0.00	1.53	0.85	NO	
L0002269	0	0.24680E-07	497149.6	3606560.1	48.7	0.00	1.53	0.85	NO	
L0002270	0	0.24680E-07	497152.9	3606560.1	48.6	0.00	1.53	0.85	NO	
L0002271	0	0.24680E-07	497156.2	3606560.1	48.5	0.00	1.53	0.85	NO	
L0002272	0	0.24680E-07	497159.5	3606560.1	48.4	0.00	1.53	0.85	NO	

L0002273	0	0.24680E-07	497162.8	3606560.1	48.3	0.00	1.53	0.85	NO
L0002274	0	0.24680E-07	497166.0	3606560.0	48.1	0.00	1.53	0.85	NO

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*** VOLUME SOURCE DATA ***

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L0002275	0	0.24680E-07	497169.3	3606560.0	48.0	0.00	1.53	0.85	NO	
L0002276	0	0.24680E-07	497172.6	3606560.0	48.0	0.00	1.53	0.85	NO	
L0002277	0	0.24680E-07	497175.9	3606560.0	48.0	0.00	1.53	0.85	NO	
L0002278	0	0.24680E-07	497179.2	3606560.0	48.1	0.00	1.53	0.85	NO	
L0002279	0	0.24680E-07	497182.4	3606559.9	48.1	0.00	1.53	0.85	NO	
L0002280	0	0.24680E-07	497185.7	3606559.9	48.2	0.00	1.53	0.85	NO	
L0002281	0	0.24680E-07	497189.0	3606559.9	48.2	0.00	1.53	0.85	NO	
L0002282	0	0.24680E-07	497192.3	3606559.9	48.2	0.00	1.53	0.85	NO	
L0002283	0	0.24680E-07	497195.6	3606559.9	48.3	0.00	1.53	0.85	NO	
L0002284	0	0.24680E-07	497198.8	3606559.9	48.3	0.00	1.53	0.85	NO	
L0002285	0	0.24680E-07	497202.1	3606559.8	48.4	0.00	1.53	0.85	NO	
L0002286	0	0.24680E-07	497205.4	3606559.8	48.4	0.00	1.53	0.85	NO	
L0002287	0	0.24680E-07	497208.7	3606559.8	48.4	0.00	1.53	0.85	NO	
L0002288	0	0.24680E-07	497212.0	3606559.8	48.4	0.00	1.53	0.85	NO	
L0002289	0	0.24680E-07	497215.2	3606559.8	48.4	0.00	1.53	0.85	NO	
L0002290	0	0.24680E-07	497218.5	3606559.7	48.4	0.00	1.53	0.85	NO	
L0002291	0	0.24680E-07	497221.8	3606559.7	48.5	0.00	1.53	0.85	NO	
L0002292	0	0.24680E-07	497225.1	3606559.7	48.5	0.00	1.53	0.85	NO	
L0002293	0	0.24680E-07	497228.4	3606559.7	48.5	0.00	1.53	0.85	NO	
L0002294	0	0.24680E-07	497231.6	3606559.7	48.4	0.00	1.53	0.85	NO	
L0002295	0	0.24680E-07	497234.9	3606559.6	48.4	0.00	1.53	0.85	NO	
L0002296	0	0.24680E-07	497238.2	3606559.6	48.4	0.00	1.53	0.85	NO	
L0002297	0	0.24680E-07	497241.5	3606559.6	48.4	0.00	1.53	0.85	NO	
L0002298	0	0.24680E-07	497244.8	3606559.6	48.3	0.00	1.53	0.85	NO	
L0002299	0	0.24680E-07	497248.0	3606559.6	48.3	0.00	1.53	0.85	NO	
L0002300	0	0.24910E-07	497250.0	3606557.6	48.2	0.00	1.53	0.85	NO	
L0002301	0	0.24910E-07	497250.0	3606554.3	48.1	0.00	1.53	0.85	NO	
L0002302	0	0.24910E-07	497250.0	3606551.0	48.0	0.00	1.53	0.85	NO	
L0002303	0	0.24910E-07	497250.1	3606547.8	47.9	0.00	1.53	0.85	NO	
L0002304	0	0.24910E-07	497250.1	3606544.5	47.8	0.00	1.53	0.85	NO	
L0002305	0	0.24910E-07	497250.1	3606541.2	47.7	0.00	1.53	0.85	NO	
L0002306	0	0.24910E-07	497250.1	3606537.9	47.6	0.00	1.53	0.85	NO	
L0002307	0	0.24910E-07	497250.2	3606534.6	47.5	0.00	1.53	0.85	NO	
L0002308	0	0.24910E-07	497250.2	3606531.4	47.4	0.00	1.53	0.85	NO	
L0002309	0	0.24910E-07	497250.2	3606528.1	47.3	0.00	1.53	0.85	NO	
L0002310	0	0.24910E-07	497250.2	3606524.8	47.1	0.00	1.53	0.85	NO	
L0002311	0	0.24910E-07	497250.2	3606521.5	47.0	0.00	1.53	0.85	NO	
L0002312	0	0.24910E-07	497250.3	3606518.2	46.9	0.00	1.53	0.85	NO	

L0002313	0	0.24910E-07	497250.3	3606515.0	46.8	0.00	1.53	0.85	NO
L0002314	0	0.24910E-07	497250.3	3606511.7	46.6	0.00	1.53	0.85	NO

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L0002315	0	0.24910E-07	497250.3	3606508.4	46.5	0.00	1.53	0.85	NO	
L0002316	0	0.24910E-07	497250.4	3606505.1	46.4	0.00	1.53	0.85	NO	
L0002317	0	0.24910E-07	497250.4	3606501.8	46.3	0.00	1.53	0.85	NO	
L0002318	0	0.24910E-07	497250.4	3606498.6	46.1	0.00	1.53	0.85	NO	
L0002319	0	0.24910E-07	497250.4	3606495.3	46.0	0.00	1.53	0.85	NO	
L0002320	0	0.24910E-07	497250.5	3606492.0	45.8	0.00	1.53	0.85	NO	
L0002321	0	0.24910E-07	497250.5	3606488.7	45.7	0.00	1.53	0.85	NO	
L0002322	0	0.24910E-07	497250.5	3606485.4	45.5	0.00	1.53	0.85	NO	
L0002323	0	0.24910E-07	497250.5	3606482.2	45.4	0.00	1.53	0.85	NO	
L0002324	0	0.24910E-07	497250.5	3606478.9	45.2	0.00	1.53	0.85	NO	
L0002325	0	0.24910E-07	497250.6	3606475.6	45.1	0.00	1.53	0.85	NO	
L0002326	0	0.24910E-07	497250.6	3606472.3	44.9	0.00	1.53	0.85	NO	
L0002327	0	0.24910E-07	497250.6	3606469.0	44.8	0.00	1.53	0.85	NO	
L0002328	0	0.24910E-07	497250.6	3606465.8	44.6	0.00	1.53	0.85	NO	
L0002329	0	0.24910E-07	497250.7	3606462.5	44.4	0.00	1.53	0.85	NO	
L0002330	0	0.24910E-07	497250.7	3606459.2	44.2	0.00	1.53	0.85	NO	
L0002331	0	0.24910E-07	497250.7	3606455.9	44.1	0.00	1.53	0.85	NO	
L0002332	0	0.24910E-07	497250.7	3606452.6	43.9	0.00	1.53	0.85	NO	
L0002333	0	0.24910E-07	497250.8	3606449.4	43.7	0.00	1.53	0.85	NO	
L0002334	0	0.24910E-07	497250.8	3606446.1	43.5	0.00	1.53	0.85	NO	
L0002335	0	0.24910E-07	497250.8	3606442.8	43.4	0.00	1.53	0.85	NO	
L0002336	0	0.24910E-07	497250.8	3606439.5	43.2	0.00	1.53	0.85	NO	
L0002337	0	0.24910E-07	497250.8	3606436.2	43.0	0.00	1.53	0.85	NO	
L0002338	0	0.24910E-07	497250.9	3606433.0	42.9	0.00	1.53	0.85	NO	
L0002339	0	0.24910E-07	497250.9	3606429.7	42.8	0.00	1.53	0.85	NO	
L0002340	0	0.24910E-07	497250.9	3606426.4	42.6	0.00	1.53	0.85	NO	
L0002341	0	0.24910E-07	497250.9	3606423.1	42.5	0.00	1.53	0.85	NO	
L0002342	0	0.24910E-07	497251.0	3606419.8	42.3	0.00	1.53	0.85	NO	
L0002343	0	0.24910E-07	497251.0	3606416.6	42.2	0.00	1.53	0.85	NO	
L0002344	0	0.24910E-07	497251.0	3606413.3	42.1	0.00	1.53	0.85	NO	
L0002345	0	0.24910E-07	497251.0	3606410.0	41.9	0.00	1.53	0.85	NO	
L0002346	0	0.24910E-07	497251.1	3606406.7	41.8	0.00	1.53	0.85	NO	
L0002347	0	0.24910E-07	497251.1	3606403.4	41.8	0.00	1.53	0.85	NO	
L0002348	0	0.24910E-07	497251.1	3606400.2	41.8	0.00	1.53	0.85	NO	
L0002349	0	0.24910E-07	497251.1	3606396.9	41.9	0.00	1.53	0.85	NO	
L0002350	0	0.24910E-07	497251.1	3606393.6	41.9	0.00	1.53	0.85	NO	
L0002351	0	0.24910E-07	497251.2	3606390.3	41.9	0.00	1.53	0.85	NO	
L0002352	0	0.24910E-07	497251.2	3606387.0	42.0	0.00	1.53	0.85	NO	

L0002353	0	0.24830E-07	497248.9	3606383.9	42.0	0.00	1.53	0.85	NO
L0002354	0	0.24830E-07	497245.6	3606383.9	42.0	0.00	1.53	0.85	NO

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L0002355	0	0.24830E-07	497242.3	3606384.0	42.1	0.00	1.53	0.85	NO	
L0002356	0	0.24830E-07	497239.1	3606384.0	42.1	0.00	1.53	0.85	NO	
L0002357	0	0.24830E-07	497235.8	3606384.0	42.1	0.00	1.53	0.85	NO	
L0002358	0	0.24830E-07	497232.5	3606384.1	42.2	0.00	1.53	0.85	NO	
L0002359	0	0.24830E-07	497229.2	3606384.1	42.2	0.00	1.53	0.85	NO	
L0002360	0	0.24830E-07	497226.0	3606384.1	42.3	0.00	1.53	0.85	NO	
L0002361	0	0.24830E-07	497222.7	3606384.2	42.3	0.00	1.53	0.85	NO	
L0002362	0	0.24830E-07	497219.4	3606384.2	42.3	0.00	1.53	0.85	NO	
L0002363	0	0.24830E-07	497216.1	3606384.3	42.3	0.00	1.53	0.85	NO	
L0002364	0	0.24830E-07	497212.8	3606384.3	42.3	0.00	1.53	0.85	NO	
L0002365	0	0.24830E-07	497209.6	3606384.3	42.2	0.00	1.53	0.85	NO	
L0002366	0	0.24830E-07	497206.3	3606384.4	42.2	0.00	1.53	0.85	NO	
L0002367	0	0.24830E-07	497203.0	3606384.4	42.2	0.00	1.53	0.85	NO	
L0002368	0	0.24830E-07	497199.7	3606384.4	42.2	0.00	1.53	0.85	NO	
L0002369	0	0.24830E-07	497196.4	3606384.5	42.2	0.00	1.53	0.85	NO	
L0002370	0	0.24830E-07	497193.2	3606384.5	42.2	0.00	1.53	0.85	NO	
L0002371	0	0.24830E-07	497189.9	3606384.5	42.2	0.00	1.53	0.85	NO	
L0002372	0	0.24830E-07	497186.6	3606384.6	42.2	0.00	1.53	0.85	NO	
L0002373	0	0.24830E-07	497183.3	3606384.6	42.2	0.00	1.53	0.85	NO	
L0002374	0	0.24830E-07	497180.0	3606384.7	42.2	0.00	1.53	0.85	NO	
L0002375	0	0.24830E-07	497176.8	3606384.7	42.2	0.00	1.53	0.85	NO	
L0002376	0	0.24830E-07	497173.5	3606384.7	42.2	0.00	1.53	0.85	NO	
L0002377	0	0.24830E-07	497170.2	3606384.8	42.2	0.00	1.53	0.85	NO	
L0002378	0	0.24830E-07	497166.9	3606384.8	42.2	0.00	1.53	0.85	NO	
L0002379	0	0.24830E-07	497163.6	3606384.8	42.2	0.00	1.53	0.85	NO	
L0002380	0	0.24830E-07	497160.4	3606384.9	42.2	0.00	1.53	0.85	NO	
L0002381	0	0.24830E-07	497157.1	3606384.9	42.2	0.00	1.53	0.85	NO	
L0002382	0	0.24830E-07	497153.8	3606384.9	42.2	0.00	1.53	0.85	NO	
L0002383	0	0.24830E-07	497150.5	3606385.0	42.2	0.00	1.53	0.85	NO	
L0002384	0	0.24830E-07	497147.2	3606385.0	42.2	0.00	1.53	0.85	NO	
L0002385	0	0.24830E-07	497144.0	3606385.1	42.2	0.00	1.53	0.85	NO	
L0002386	0	0.24830E-07	497140.7	3606385.1	42.1	0.00	1.53	0.85	NO	
L0002387	0	0.24830E-07	497137.4	3606385.1	42.0	0.00	1.53	0.85	NO	
L0002388	0	0.24830E-07	497134.1	3606385.2	41.8	0.00	1.53	0.85	NO	
L0002389	0	0.24830E-07	497130.8	3606385.2	41.7	0.00	1.53	0.85	NO	
L0002390	0	0.24830E-07	497127.6	3606385.2	41.6	0.00	1.53	0.85	NO	
L0002391	0	0.24830E-07	497124.3	3606385.3	41.5	0.00	1.53	0.85	NO	
L0002392	0	0.24830E-07	497121.0	3606385.3	41.4	0.00	1.53	0.85	NO	

L0002393	0	0.24830E-07	497117.7	3606385.3	41.3	0.00	1.53	0.85	NO
L0002394	0	0.24830E-07	497114.4	3606385.4	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** 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
L0002395	0	0.24830E-07	497111.2	3606385.4	41.4	0.00	1.53	0.85	NO	
L0002396	0	0.24830E-07	497107.9	3606385.4	41.4	0.00	1.53	0.85	NO	
L0002397	0	0.24830E-07	497104.6	3606385.5	41.4	0.00	1.53	0.85	NO	
L0002398	0	0.24830E-07	497101.3	3606385.5	41.4	0.00	1.53	0.85	NO	
L0002399	0	0.24830E-07	497098.0	3606385.6	41.5	0.00	1.53	0.85	NO	
L0002400	0	0.24830E-07	497094.8	3606385.6	41.5	0.00	1.53	0.85	NO	
L0002401	0	0.24830E-07	497091.5	3606385.6	41.4	0.00	1.53	0.85	NO	
L0002402	0	0.24830E-07	497088.2	3606385.7	41.2	0.00	1.53	0.85	NO	
L0002403	0	0.24830E-07	497084.9	3606385.7	41.1	0.00	1.53	0.85	NO	
L0002404	0	0.24830E-07	497081.6	3606385.7	40.9	0.00	1.53	0.85	NO	
L0002405	0	0.24830E-07	497078.4	3606385.8	40.8	0.00	1.53	0.85	NO	
L0002406	0	0.24830E-07	497075.1	3606385.8	40.6	0.00	1.53	0.85	NO	
L0002407	0	0.24830E-07	497071.8	3606385.8	40.5	0.00	1.53	0.85	NO	
L0002408	0	0.24830E-07	497068.5	3606385.9	40.3	0.00	1.53	0.85	NO	
L0002409	0	0.24830E-07	497065.2	3606385.9	40.3	0.00	1.53	0.85	NO	
L0002410	0	0.24830E-07	497062.0	3606386.0	40.4	0.00	1.53	0.85	NO	
L0002411	0	0.24830E-07	497058.7	3606386.0	40.5	0.00	1.53	0.85	NO	
L0002412	0	0.24830E-07	497055.4	3606386.0	40.5	0.00	1.53	0.85	NO	
L0002413	0	0.24830E-07	497052.1	3606386.1	40.6	0.00	1.53	0.85	NO	
L0002414	0	0.24830E-07	497048.8	3606386.1	40.7	0.00	1.53	0.85	NO	
L0002415	0	0.24830E-07	497045.6	3606386.1	40.7	0.00	1.53	0.85	NO	
L0002416	0	0.24830E-07	497042.3	3606386.2	40.8	0.00	1.53	0.85	NO	
L0002417	0	0.24830E-07	497039.0	3606386.2	40.8	0.00	1.53	0.85	NO	
L0002418	0	0.24830E-07	497035.7	3606386.2	40.8	0.00	1.53	0.85	NO	
L0002419	0	0.24830E-07	497032.4	3606386.3	40.8	0.00	1.53	0.85	NO	
L0002420	0	0.24830E-07	497029.2	3606386.3	40.8	0.00	1.53	0.85	NO	
L0002421	0	0.24830E-07	497025.9	3606386.4	40.8	0.00	1.53	0.85	NO	
L0002422	0	0.24830E-07	497022.6	3606386.4	40.8	0.00	1.53	0.85	NO	
L0002423	0	0.24830E-07	497019.3	3606386.4	40.8	0.00	1.53	0.85	NO	
L0002424	0	0.24830E-07	497016.0	3606386.5	40.8	0.00	1.53	0.85	NO	
L0002425	0	0.24830E-07	497012.8	3606386.5	40.8	0.00	1.53	0.85	NO	
L0002426	0	0.24830E-07	497009.5	3606386.5	40.8	0.00	1.53	0.85	NO	
L0002427	0	0.24830E-07	497006.2	3606386.6	40.8	0.00	1.53	0.85	NO	
L0002428	0	0.24830E-07	497002.9	3606386.6	40.8	0.00	1.53	0.85	NO	
L0002429	0	0.24830E-07	496999.6	3606386.6	40.7	0.00	1.53	0.85	NO	
L0002430	0	0.24830E-07	496996.4	3606386.7	40.7	0.00	1.53	0.85	NO	
L0002431	0	0.24830E-07	496993.1	3606386.7	40.7	0.00	1.53	0.85	NO	
L0002432	0	0.24830E-07	496989.8	3606386.7	40.7	0.00	1.53	0.85	NO	

L0002433	0	0.24830E-07	496986.5	3606386.8	40.7	0.00	1.53	0.85	NO
L0002434	0	0.24830E-07	496983.2	3606386.8	40.6	0.00	1.53	0.85	NO

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*** VOLUME SOURCE DATA ***

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L0002435	0	0.24830E-07	496980.0	3606386.9	40.6	0.00	1.53	0.85	NO	
L0002436	0	0.24830E-07	496976.7	3606386.9	40.6	0.00	1.53	0.85	NO	
L0002437	0	0.24830E-07	496973.4	3606386.9	40.6	0.00	1.53	0.85	NO	
L0002438	0	0.24830E-07	496970.1	3606387.0	40.5	0.00	1.53	0.85	NO	
L0002439	0	0.24830E-07	496966.8	3606387.0	40.5	0.00	1.53	0.85	NO	
L0002440	0	0.24830E-07	496963.6	3606387.0	40.5	0.00	1.53	0.85	NO	
L0002441	0	0.24830E-07	496960.3	3606387.1	40.4	0.00	1.53	0.85	NO	
L0002442	0	0.24830E-07	496957.0	3606387.1	40.4	0.00	1.53	0.85	NO	
L0002443	0	0.24830E-07	496953.7	3606387.1	40.4	0.00	1.53	0.85	NO	
L0002444	0	0.24830E-07	496950.4	3606387.2	40.4	0.00	1.53	0.85	NO	
L0002445	0	0.24830E-07	496947.2	3606387.2	40.4	0.00	1.53	0.85	NO	
L0002446	0	0.24830E-07	496943.9	3606387.3	40.3	0.00	1.53	0.85	NO	
L0002447	0	0.24830E-07	496940.6	3606387.3	40.3	0.00	1.53	0.85	NO	
L0002448	0	0.24830E-07	496937.3	3606387.3	40.3	0.00	1.53	0.85	NO	
L0002449	0	0.24830E-07	496934.0	3606387.4	40.4	0.00	1.53	0.85	NO	
L0002450	0	0.24830E-07	496930.8	3606387.4	40.6	0.00	1.53	0.85	NO	
L0002451	0	0.24830E-07	496927.5	3606387.4	40.7	0.00	1.53	0.85	NO	
L0002452	0	0.24830E-07	496924.2	3606387.5	40.8	0.00	1.53	0.85	NO	
L0002453	0	0.24830E-07	496920.9	3606387.5	41.0	0.00	1.53	0.85	NO	
L0002454	0	0.24830E-07	496917.6	3606387.5	41.1	0.00	1.53	0.85	NO	
L0002455	0	0.24830E-07	496914.4	3606387.6	41.3	0.00	1.53	0.85	NO	
L0002456	0	0.24830E-07	496911.1	3606387.6	41.4	0.00	1.53	0.85	NO	
L0002457	0	0.24830E-07	496907.8	3606387.7	41.5	0.00	1.53	0.85	NO	
L0002458	0	0.24830E-07	496904.5	3606387.7	41.5	0.00	1.53	0.85	NO	
L0002459	0	0.24830E-07	496901.3	3606387.7	41.6	0.00	1.53	0.85	NO	
L0002460	0	0.24830E-07	496898.0	3606387.8	41.6	0.00	1.53	0.85	NO	
L0002461	0	0.24830E-07	496894.7	3606387.8	41.7	0.00	1.53	0.85	NO	
L0002462	0	0.24830E-07	496891.4	3606387.8	41.8	0.00	1.53	0.85	NO	
L0002463	0	0.24830E-07	496888.1	3606387.9	41.8	0.00	1.53	0.85	NO	
L0002464	0	0.24830E-07	496884.9	3606387.9	41.9	0.00	1.53	0.85	NO	
L0002465	0	0.24830E-07	496881.6	3606387.9	41.9	0.00	1.53	0.85	NO	
L0002466	0	0.24830E-07	496878.3	3606388.0	41.9	0.00	1.53	0.85	NO	
L0002467	0	0.24830E-07	496875.0	3606388.0	42.0	0.00	1.53	0.85	NO	
L0002468	0	0.24830E-07	496871.7	3606388.0	42.0	0.00	1.53	0.85	NO	
L0002469	0	0.24830E-07	496868.5	3606388.1	42.1	0.00	1.53	0.85	NO	
L0002470	0	0.24830E-07	496865.2	3606388.1	42.1	0.00	1.53	0.85	NO	
L0002471	0	0.24830E-07	496861.9	3606388.2	42.2	0.00	1.53	0.85	NO	
L0002472	0	0.24830E-07	496858.6	3606388.2	42.2	0.00	1.53	0.85	NO	

L0002473	0	0.24830E-07	496855.3	3606388.2	42.3	0.00	1.53	0.85	NO
L0002474	0	0.24830E-07	496852.1	3606388.3	42.3	0.00	1.53	0.85	NO

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*** VOLUME SOURCE DATA ***

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L0002475	0	0.24830E-07	496848.8	3606388.3	42.3	0.00	1.53	0.85	NO	
L0002476	0	0.24830E-07	496845.5	3606388.3	42.4	0.00	1.53	0.85	NO	
L0002477	0	0.24830E-07	496842.2	3606388.4	42.4	0.00	1.53	0.85	NO	
L0002478	0	0.24830E-07	496838.9	3606388.4	42.5	0.00	1.53	0.85	NO	
L0002479	0	0.24830E-07	496835.7	3606388.4	42.5	0.00	1.53	0.85	NO	
L0002480	0	0.24830E-07	496832.4	3606388.5	42.6	0.00	1.53	0.85	NO	
L0002481	0	0.24830E-07	496829.1	3606388.5	42.6	0.00	1.53	0.85	NO	
L0002482	0	0.24830E-07	496825.8	3606388.6	42.6	0.00	1.53	0.85	NO	
L0002483	0	0.24830E-07	496822.5	3606388.6	42.7	0.00	1.53	0.85	NO	
L0002484	0	0.24830E-07	496819.3	3606388.6	42.7	0.00	1.53	0.85	NO	
L0002485	0	0.24830E-07	496816.0	3606388.7	42.8	0.00	1.53	0.85	NO	
L0002486	0	0.24830E-07	496812.7	3606388.7	42.8	0.00	1.53	0.85	NO	
L0002487	0	0.24830E-07	496809.4	3606388.7	42.9	0.00	1.53	0.85	NO	
L0002488	0	0.24830E-07	496806.1	3606388.8	42.9	0.00	1.53	0.85	NO	
L0002489	0	0.24830E-07	496802.9	3606388.8	42.9	0.00	1.53	0.85	NO	
L0002490	0	0.24830E-07	496799.6	3606388.8	43.0	0.00	1.53	0.85	NO	
L0002491	0	0.24830E-07	496796.3	3606388.9	43.0	0.00	1.53	0.85	NO	
L0002492	0	0.24830E-07	496793.0	3606388.9	43.0	0.00	1.53	0.85	NO	
L0002493	0	0.24830E-07	496789.7	3606389.0	43.1	0.00	1.53	0.85	NO	
L0002494	0	0.24830E-07	496786.5	3606389.0	43.1	0.00	1.53	0.85	NO	
L0002495	0	0.24830E-07	496783.2	3606389.0	43.1	0.00	1.53	0.85	NO	
L0002496	0	0.24830E-07	496779.9	3606389.1	43.1	0.00	1.53	0.85	NO	
L0002497	0	0.24830E-07	496776.6	3606389.1	43.1	0.00	1.53	0.85	NO	
L0002498	0	0.24830E-07	496773.3	3606389.1	43.0	0.00	1.53	0.85	NO	
L0002499	0	0.24830E-07	496770.1	3606389.2	42.9	0.00	1.53	0.85	NO	
L0002500	0	0.24830E-07	496766.8	3606389.2	42.8	0.00	1.53	0.85	NO	
L0002501	0	0.24830E-07	496763.5	3606389.2	42.8	0.00	1.53	0.85	NO	
L0002502	0	0.24830E-07	496760.2	3606389.3	42.7	0.00	1.53	0.85	NO	
L0002503	0	0.24830E-07	496756.9	3606389.3	42.6	0.00	1.53	0.85	NO	
L0002504	0	0.24830E-07	496753.7	3606389.3	42.6	0.00	1.53	0.85	NO	
L0002505	0	0.24830E-07	496750.4	3606389.4	42.5	0.00	1.53	0.85	NO	
L0002506	0	0.24830E-07	496747.1	3606389.4	42.4	0.00	1.53	0.85	NO	
L0002507	0	0.24830E-07	496743.8	3606389.5	42.3	0.00	1.53	0.85	NO	
L0002508	0	0.24830E-07	496740.5	3606389.5	42.3	0.00	1.53	0.85	NO	
L0002509	0	0.24830E-07	496737.3	3606389.5	42.2	0.00	1.53	0.85	NO	
L0002510	0	0.24830E-07	496734.0	3606389.6	42.1	0.00	1.53	0.85	NO	
L0002511	0	0.24830E-07	496730.7	3606389.6	42.0	0.00	1.53	0.85	NO	
L0002512	0	0.24830E-07	496727.4	3606389.6	41.9	0.00	1.53	0.85	NO	

L0002513	0	0.24830E-07	496724.1	3606389.7	41.8	0.00	1.53	0.85	NO
L0002514	0	0.24830E-07	496720.9	3606389.7	41.7	0.00	1.53	0.85	NO

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*** VOLUME SOURCE DATA ***

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L0002515	0	0.24830E-07	496717.6	3606389.7	41.6	0.00	1.53	0.85	NO	
L0002516	0	0.24830E-07	496714.3	3606389.8	41.4	0.00	1.53	0.85	NO	
L0002517	0	0.24830E-07	496711.0	3606389.8	41.3	0.00	1.53	0.85	NO	
L0002518	0	0.24830E-07	496707.7	3606389.9	41.2	0.00	1.53	0.85	NO	
L0002519	0	0.24830E-07	496704.5	3606389.9	41.0	0.00	1.53	0.85	NO	
L0002520	0	0.24830E-07	496701.2	3606389.9	40.9	0.00	1.53	0.85	NO	
L0002521	0	0.24830E-07	496697.9	3606390.0	40.7	0.00	1.53	0.85	NO	
L0002522	0	0.24830E-07	496694.6	3606390.0	40.6	0.00	1.53	0.85	NO	
L0002523	0	0.24830E-07	496691.3	3606390.0	40.4	0.00	1.53	0.85	NO	
L0002524	0	0.24830E-07	496688.1	3606390.1	40.3	0.00	1.53	0.85	NO	
L0002525	0	0.24830E-07	496684.8	3606390.1	40.1	0.00	1.53	0.85	NO	
L0002526	0	0.24830E-07	496681.5	3606390.1	39.9	0.00	1.53	0.85	NO	
L0002527	0	0.24830E-07	496678.2	3606390.2	39.8	0.00	1.53	0.85	NO	
L0002528	0	0.24830E-07	496674.9	3606390.2	39.7	0.00	1.53	0.85	NO	
L0002529	0	0.24830E-07	496671.7	3606390.3	39.6	0.00	1.53	0.85	NO	
L0002530	0	0.24830E-07	496668.4	3606390.3	39.5	0.00	1.53	0.85	NO	
L0002531	0	0.24830E-07	496665.1	3606390.3	39.4	0.00	1.53	0.85	NO	
L0002532	0	0.24830E-07	496661.8	3606390.4	39.4	0.00	1.53	0.85	NO	
L0002533	0	0.12410E-07	496660.7	3606394.4	39.3	0.00	1.53	0.85	NO	
L0002534	0	0.12410E-07	496660.4	3606397.6	39.3	0.00	1.53	0.85	NO	
L0002535	0	0.12410E-07	496660.1	3606400.9	39.3	0.00	1.53	0.85	NO	
L0002536	0	0.12410E-07	496659.8	3606404.2	39.3	0.00	1.53	0.85	NO	
L0002537	0	0.12410E-07	496659.5	3606407.4	39.3	0.00	1.53	0.85	NO	
L0002538	0	0.12410E-07	496659.2	3606410.7	39.5	0.00	1.53	0.85	NO	
L0002539	0	0.12410E-07	496659.0	3606414.0	39.7	0.00	1.53	0.85	NO	
L0002540	0	0.12410E-07	496658.7	3606417.2	39.8	0.00	1.53	0.85	NO	
L0002541	0	0.12410E-07	496658.4	3606420.5	40.0	0.00	1.53	0.85	NO	
L0002542	0	0.12410E-07	496658.1	3606423.8	40.1	0.00	1.53	0.85	NO	
L0002543	0	0.12410E-07	496657.8	3606427.0	40.2	0.00	1.53	0.85	NO	
L0002544	0	0.12410E-07	496657.5	3606430.3	40.3	0.00	1.53	0.85	NO	
L0002545	0	0.12410E-07	496657.2	3606433.6	40.4	0.00	1.53	0.85	NO	
L0002546	0	0.12410E-07	496657.0	3606436.8	40.5	0.00	1.53	0.85	NO	
L0002547	0	0.12410E-07	496656.7	3606440.1	40.7	0.00	1.53	0.85	NO	
L0002548	0	0.12410E-07	496656.4	3606443.4	40.8	0.00	1.53	0.85	NO	
L0002549	0	0.12410E-07	496656.1	3606446.7	40.9	0.00	1.53	0.85	NO	
L0002550	0	0.12410E-07	496655.8	3606449.9	41.0	0.00	1.53	0.85	NO	
L0002551	0	0.12410E-07	496655.5	3606453.2	41.1	0.00	1.53	0.85	NO	
L0002552	0	0.12410E-07	496655.2	3606456.4	41.2	0.00	1.53	0.85	NO	

L0002553	0	0.12410E-07	496654.9	3606459.7	41.3	0.00	1.53	0.85	NO
L0002554	0	0.12410E-07	496654.6	3606463.0	41.4	0.00	1.53	0.85	NO

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** 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
L0002555	0	0.12410E-07	496654.3	3606466.2	41.5	0.00	1.53	0.85	NO	
L0002556	0	0.12410E-07	496654.0	3606469.5	41.6	0.00	1.53	0.85	NO	
L0002557	0	0.12410E-07	496653.7	3606472.8	41.7	0.00	1.53	0.85	NO	
L0002558	0	0.12410E-07	496653.4	3606476.0	41.8	0.00	1.53	0.85	NO	
L0002559	0	0.12410E-07	496653.1	3606479.3	41.9	0.00	1.53	0.85	NO	
L0002560	0	0.12410E-07	496652.8	3606482.6	42.0	0.00	1.53	0.85	NO	
L0002561	0	0.12410E-07	496652.5	3606485.8	42.0	0.00	1.53	0.85	NO	
L0002562	0	0.12410E-07	496652.2	3606489.1	42.1	0.00	1.53	0.85	NO	
L0002563	0	0.12410E-07	496651.9	3606492.4	42.2	0.00	1.53	0.85	NO	
L0002564	0	0.12410E-07	496651.6	3606495.6	42.3	0.00	1.53	0.85	NO	
L0002565	0	0.12410E-07	496651.3	3606498.9	42.4	0.00	1.53	0.85	NO	
L0002566	0	0.12410E-07	496651.0	3606502.2	42.6	0.00	1.53	0.85	NO	
L0002567	0	0.12410E-07	496650.6	3606505.4	42.8	0.00	1.53	0.85	NO	
L0002568	0	0.12410E-07	496650.3	3606508.7	43.0	0.00	1.53	0.85	NO	
L0002569	0	0.12410E-07	496650.0	3606512.0	43.4	0.00	1.53	0.85	NO	
L0002570	0	0.12410E-07	496649.7	3606515.2	43.8	0.00	1.53	0.85	NO	
L0002571	0	0.12410E-07	496649.4	3606518.5	44.1	0.00	1.53	0.85	NO	
L0002572	0	0.12410E-07	496649.1	3606521.8	44.4	0.00	1.53	0.85	NO	
L0002573	0	0.12410E-07	496648.8	3606525.0	44.8	0.00	1.53	0.85	NO	
L0002574	0	0.12410E-07	496648.5	3606528.3	45.1	0.00	1.53	0.85	NO	
L0002575	0	0.12410E-07	496648.2	3606531.6	45.4	0.00	1.53	0.85	NO	
L0002576	0	0.12410E-07	496647.9	3606534.8	45.6	0.00	1.53	0.85	NO	
L0002577	0	0.12410E-07	496647.6	3606538.1	45.9	0.00	1.53	0.85	NO	
L0002578	0	0.12410E-07	496647.3	3606541.4	46.1	0.00	1.53	0.85	NO	
L0002579	0	0.12410E-07	496647.0	3606544.6	46.4	0.00	1.53	0.85	NO	
L0002580	0	0.12410E-07	496646.7	3606547.9	46.6	0.00	1.53	0.85	NO	
L0002581	0	0.12410E-07	496646.4	3606551.2	46.8	0.00	1.53	0.85	NO	
L0002582	0	0.12410E-07	496646.1	3606554.4	47.1	0.00	1.53	0.85	NO	
L0002583	0	0.12410E-07	496645.8	3606557.7	47.3	0.00	1.53	0.85	NO	
L0002584	0	0.12410E-07	496645.5	3606561.0	47.6	0.00	1.53	0.85	NO	
L0002585	0	0.12410E-07	496645.2	3606564.2	48.0	0.00	1.53	0.85	NO	
L0002586	0	0.12410E-07	496644.9	3606567.5	48.3	0.00	1.53	0.85	NO	
L0002587	0	0.12410E-07	496644.6	3606570.8	48.7	0.00	1.53	0.85	NO	
L0002588	0	0.12410E-07	496644.3	3606574.0	49.1	0.00	1.53	0.85	NO	
L0002589	0	0.12410E-07	496644.0	3606577.3	49.5	0.00	1.53	0.85	NO	
L0002590	0	0.12410E-07	496643.7	3606580.6	49.8	0.00	1.53	0.85	NO	
L0002591	0	0.12410E-07	496643.4	3606583.8	50.2	0.00	1.53	0.85	NO	
L0002592	0	0.12410E-07	496643.1	3606587.1	50.5	0.00	1.53	0.85	NO	

L0002593	0	0.12410E-07	496642.8	3606590.4	50.8	0.00	1.53	0.85	NO
L0002594	0	0.12410E-07	496642.5	3606593.6	51.2	0.00	1.53	0.85	NO

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*** VOLUME SOURCE DATA ***

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L0002595	0	0.12410E-07	496642.2	3606596.9	51.5	0.00	1.53	0.85	NO	
L0002596	0	0.12410E-07	496641.9	3606600.2	51.9	0.00	1.53	0.85	NO	
L0002597	0	0.12410E-07	496641.5	3606603.4	52.2	0.00	1.53	0.85	NO	
L0002598	0	0.12410E-07	496641.2	3606606.7	52.6	0.00	1.53	0.85	NO	
L0002599	0	0.12410E-07	496640.9	3606609.9	52.9	0.00	1.53	0.85	NO	
L0002600	0	0.12410E-07	496640.6	3606613.2	53.2	0.00	1.53	0.85	NO	
L0002601	0	0.12410E-07	496640.3	3606616.5	53.5	0.00	1.53	0.85	NO	
L0002602	0	0.12410E-07	496640.0	3606619.7	53.8	0.00	1.53	0.85	NO	
L0002603	0	0.12410E-07	496639.7	3606623.0	54.0	0.00	1.53	0.85	NO	
L0002604	0	0.12410E-07	496639.4	3606626.3	54.3	0.00	1.53	0.85	NO	
L0002605	0	0.12410E-07	496639.1	3606629.5	54.5	0.00	1.53	0.85	NO	
L0002606	0	0.12410E-07	496638.8	3606632.8	54.7	0.00	1.53	0.85	NO	
L0002607	0	0.12410E-07	496638.5	3606636.1	54.9	0.00	1.53	0.85	NO	
L0002608	0	0.12410E-07	496638.2	3606639.3	55.1	0.00	1.53	0.85	NO	
L0002609	0	0.12410E-07	496637.9	3606642.6	55.3	0.00	1.53	0.85	NO	
L0002610	0	0.12410E-07	496637.6	3606645.9	55.5	0.00	1.53	0.85	NO	
L0002611	0	0.12410E-07	496637.3	3606649.1	55.7	0.00	1.53	0.85	NO	
L0002612	0	0.12410E-07	496637.0	3606652.4	55.9	0.00	1.53	0.85	NO	
L0002613	0	0.12410E-07	496636.7	3606655.7	56.0	0.00	1.53	0.85	NO	
L0002614	0	0.12410E-07	496636.4	3606658.9	56.1	0.00	1.53	0.85	NO	
L0002615	0	0.12410E-07	496636.1	3606662.2	56.3	0.00	1.53	0.85	NO	
L0002616	0	0.12430E-07	496655.9	3606389.7	39.2	0.00	1.53	0.85	NO	
L0002617	0	0.12430E-07	496652.6	3606389.6	39.2	0.00	1.53	0.85	NO	
L0002618	0	0.12430E-07	496649.3	3606389.5	39.2	0.00	1.53	0.85	NO	
L0002619	0	0.12430E-07	496646.1	3606389.4	39.5	0.00	1.53	0.85	NO	
L0002620	0	0.12430E-07	496642.8	3606389.3	39.8	0.00	1.53	0.85	NO	
L0002621	0	0.12430E-07	496639.5	3606389.1	40.1	0.00	1.53	0.85	NO	
L0002622	0	0.12430E-07	496636.2	3606389.0	40.5	0.00	1.53	0.85	NO	
L0002623	0	0.12430E-07	496633.0	3606388.9	40.8	0.00	1.53	0.85	NO	
L0002624	0	0.12430E-07	496629.7	3606388.8	41.0	0.00	1.53	0.85	NO	
L0002625	0	0.12430E-07	496626.4	3606388.7	41.3	0.00	1.53	0.85	NO	
L0002626	0	0.12430E-07	496623.1	3606388.5	41.5	0.00	1.53	0.85	NO	
L0002627	0	0.12430E-07	496619.8	3606388.4	41.7	0.00	1.53	0.85	NO	
L0002628	0	0.12430E-07	496616.6	3606388.3	41.8	0.00	1.53	0.85	NO	
L0002629	0	0.12430E-07	496613.3	3606388.2	41.9	0.00	1.53	0.85	NO	
L0002630	0	0.12430E-07	496610.0	3606388.1	42.0	0.00	1.53	0.85	NO	
L0002631	0	0.12430E-07	496606.7	3606387.9	42.1	0.00	1.53	0.85	NO	
L0002632	0	0.12430E-07	496603.5	3606387.8	42.2	0.00	1.53	0.85	NO	

L0002633	0	0.12430E-07	496600.2	3606387.7	42.3	0.00	1.53	0.85	NO
L0002634	0	0.12430E-07	496596.9	3606387.6	42.3	0.00	1.53	0.85	NO

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** VOLUME SOURCE DATA ***

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L0002635	0	0.12430E-07	496593.6	3606387.5	42.3	0.00	1.53	0.85	NO	
L0002636	0	0.12430E-07	496590.3	3606387.4	42.2	0.00	1.53	0.85	NO	
L0002637	0	0.12430E-07	496587.1	3606387.2	42.2	0.00	1.53	0.85	NO	
L0002638	0	0.12430E-07	496583.8	3606387.1	42.1	0.00	1.53	0.85	NO	
L0002639	0	0.12430E-07	496580.5	3606387.0	42.1	0.00	1.53	0.85	NO	
L0002640	0	0.12430E-07	496577.2	3606386.9	42.0	0.00	1.53	0.85	NO	
L0002641	0	0.12430E-07	496574.0	3606386.8	42.0	0.00	1.53	0.85	NO	
L0002642	0	0.12430E-07	496570.7	3606386.6	41.8	0.00	1.53	0.85	NO	
L0002643	0	0.12430E-07	496567.4	3606386.5	41.4	0.00	1.53	0.85	NO	
L0002644	0	0.12430E-07	496564.1	3606386.4	41.0	0.00	1.53	0.85	NO	
L0002645	0	0.12430E-07	496560.8	3606386.3	40.7	0.00	1.53	0.85	NO	
L0002646	0	0.12430E-07	496557.6	3606386.2	40.3	0.00	1.53	0.85	NO	
L0002647	0	0.12430E-07	496554.3	3606386.1	39.9	0.00	1.53	0.85	NO	
L0002648	0	0.12430E-07	496551.0	3606385.9	39.6	0.00	1.53	0.85	NO	
L0002649	0	0.12430E-07	496547.7	3606385.8	39.3	0.00	1.53	0.85	NO	
L0002650	0	0.12430E-07	496544.5	3606385.7	39.1	0.00	1.53	0.85	NO	
L0002651	0	0.12430E-07	496541.2	3606385.6	39.3	0.00	1.53	0.85	NO	
L0002652	0	0.12430E-07	496537.9	3606385.5	39.4	0.00	1.53	0.85	NO	
L0002653	0	0.12440E-07	496537.3	3606381.2	39.3	0.00	1.53	0.85	NO	
L0002654	0	0.12440E-07	496537.7	3606377.9	39.2	0.00	1.53	0.85	NO	
L0002655	0	0.12440E-07	496538.1	3606374.7	39.2	0.00	1.53	0.85	NO	
L0002656	0	0.12440E-07	496538.5	3606371.4	39.1	0.00	1.53	0.85	NO	
L0002657	0	0.12440E-07	496538.9	3606368.2	39.0	0.00	1.53	0.85	NO	
L0002658	0	0.12440E-07	496539.3	3606364.9	38.9	0.00	1.53	0.85	NO	
L0002659	0	0.12440E-07	496539.7	3606361.6	38.8	0.00	1.53	0.85	NO	
L0002660	0	0.12440E-07	496540.1	3606358.4	38.8	0.00	1.53	0.85	NO	
L0002661	0	0.12440E-07	496540.5	3606355.1	38.7	0.00	1.53	0.85	NO	
L0002662	0	0.12440E-07	496540.9	3606351.9	38.6	0.00	1.53	0.85	NO	
L0002663	0	0.12440E-07	496541.3	3606348.6	38.5	0.00	1.53	0.85	NO	
L0002664	0	0.12440E-07	496541.7	3606345.4	38.5	0.00	1.53	0.85	NO	
L0002665	0	0.12440E-07	496542.1	3606342.1	38.5	0.00	1.53	0.85	NO	
L0002666	0	0.12440E-07	496542.5	3606338.9	38.5	0.00	1.53	0.85	NO	
L0002667	0	0.12440E-07	496542.9	3606335.6	38.5	0.00	1.53	0.85	NO	
L0002668	0	0.12440E-07	496543.3	3606332.4	38.5	0.00	1.53	0.85	NO	
L0002669	0	0.12440E-07	496543.7	3606329.1	38.5	0.00	1.53	0.85	NO	
L0002670	0	0.12440E-07	496544.1	3606325.8	38.5	0.00	1.53	0.85	NO	
L0002671	0	0.12440E-07	496544.5	3606322.6	38.6	0.00	1.53	0.85	NO	
L0002672	0	0.12440E-07	496544.9	3606319.3	38.6	0.00	1.53	0.85	NO	

L0002673	0	0.12440E-07	496545.3	3606316.1	38.6	0.00	1.53	0.85	NO
L0002674	0	0.12440E-07	496545.7	3606312.8	38.7	0.00	1.53	0.85	NO

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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
L0002675	0	0.12440E-07	496546.1	3606309.6	38.8	0.00	1.53	0.85	NO	
L0002676	0	0.12440E-07	496546.5	3606306.3	38.9	0.00	1.53	0.85	NO	
L0002677	0	0.12440E-07	496546.9	3606303.1	39.0	0.00	1.53	0.85	NO	
L0002678	0	0.12440E-07	496547.3	3606299.8	39.2	0.00	1.53	0.85	NO	
L0002679	0	0.12440E-07	496547.7	3606296.5	39.3	0.00	1.53	0.85	NO	
L0002680	0	0.12440E-07	496548.1	3606293.3	39.4	0.00	1.53	0.85	NO	
L0002681	0	0.12440E-07	496548.5	3606290.0	39.5	0.00	1.53	0.85	NO	
L0002682	0	0.12440E-07	496548.9	3606286.8	39.6	0.00	1.53	0.85	NO	
L0002683	0	0.12440E-07	496549.3	3606283.5	39.8	0.00	1.53	0.85	NO	
L0002684	0	0.12440E-07	496549.7	3606280.3	39.9	0.00	1.53	0.85	NO	
L0002685	0	0.12440E-07	496550.1	3606277.0	40.0	0.00	1.53	0.85	NO	
L0002686	0	0.12440E-07	496550.5	3606273.8	40.1	0.00	1.53	0.85	NO	
L0002687	0	0.12440E-07	496550.9	3606270.5	40.2	0.00	1.53	0.85	NO	
L0002688	0	0.12440E-07	496551.3	3606267.2	40.3	0.00	1.53	0.85	NO	
L0002689	0	0.12440E-07	496551.7	3606264.0	40.4	0.00	1.53	0.85	NO	
L0002690	0	0.12440E-07	496552.1	3606260.7	40.5	0.00	1.53	0.85	NO	
L0002691	0	0.12440E-07	496552.5	3606257.5	40.6	0.00	1.53	0.85	NO	
L0002692	0	0.12440E-07	496552.9	3606254.2	40.6	0.00	1.53	0.85	NO	
L0002693	0	0.12440E-07	496553.3	3606251.0	40.7	0.00	1.53	0.85	NO	
L0002694	0	0.12440E-07	496553.7	3606247.7	40.6	0.00	1.53	0.85	NO	
L0002695	0	0.12440E-07	496554.1	3606244.5	40.5	0.00	1.53	0.85	NO	
L0002696	0	0.12440E-07	496554.5	3606241.2	40.4	0.00	1.53	0.85	NO	
L0002697	0	0.12440E-07	496554.9	3606237.9	40.3	0.00	1.53	0.85	NO	
L0002698	0	0.12440E-07	496555.3	3606234.7	40.3	0.00	1.53	0.85	NO	
L0002699	0	0.12440E-07	496555.7	3606231.4	40.2	0.00	1.53	0.85	NO	
L0002700	0	0.12440E-07	496556.1	3606228.2	40.1	0.00	1.53	0.85	NO	
L0002701	0	0.12440E-07	496556.5	3606224.9	40.0	0.00	1.53	0.85	NO	
L0002702	0	0.12440E-07	496556.9	3606221.7	40.0	0.00	1.53	0.85	NO	
L0002703	0	0.12440E-07	496557.3	3606218.4	39.9	0.00	1.53	0.85	NO	
L0002704	0	0.12440E-07	496557.7	3606215.2	39.8	0.00	1.53	0.85	NO	
L0002705	0	0.12440E-07	496558.1	3606211.9	39.8	0.00	1.53	0.85	NO	
L0002706	0	0.12440E-07	496558.5	3606208.6	39.7	0.00	1.53	0.85	NO	
L0002707	0	0.12440E-07	496558.9	3606205.4	39.6	0.00	1.53	0.85	NO	
L0002708	0	0.12440E-07	496559.3	3606202.1	39.5	0.00	1.53	0.85	NO	
L0002709	0	0.12440E-07	496559.7	3606198.9	39.5	0.00	1.53	0.85	NO	
L0002710	0	0.12440E-07	496560.1	3606195.6	39.4	0.00	1.53	0.85	NO	
L0002711	0	0.12440E-07	496560.5	3606192.4	39.4	0.00	1.53	0.85	NO	
L0002712	0	0.12440E-07	496560.9	3606189.1	39.3	0.00	1.53	0.85	NO	

L0002713	0	0.12440E-07	496561.3	3606185.9	39.3	0.00	1.53	0.85	NO
L0002714	0	0.12440E-07	496561.7	3606182.6	39.2	0.00	1.53	0.85	NO

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** 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
L0002715	0	0.12440E-07	496562.1	3606179.3	39.2	0.00	1.53	0.85	NO	
L0002716	0	0.12440E-07	496562.5	3606176.1	39.1	0.00	1.53	0.85	NO	
L0002717	0	0.12440E-07	496562.9	3606172.8	39.1	0.00	1.53	0.85	NO	
L0002718	0	0.12440E-07	496563.3	3606169.6	39.0	0.00	1.53	0.85	NO	
L0002719	0	0.12440E-07	496563.7	3606166.3	39.0	0.00	1.53	0.85	NO	
L0002720	0	0.12440E-07	496564.1	3606163.1	39.0	0.00	1.53	0.85	NO	
L0002721	0	0.12440E-07	496564.5	3606159.8	39.0	0.00	1.53	0.85	NO	
L0002722	0	0.12440E-07	496564.9	3606156.6	39.0	0.00	1.53	0.85	NO	
L0002723	0	0.12440E-07	496565.3	3606153.3	39.0	0.00	1.53	0.85	NO	
L0002724	0	0.12440E-07	496565.7	3606150.0	39.0	0.00	1.53	0.85	NO	
L0002725	0	0.12440E-07	496566.1	3606146.8	39.0	0.00	1.53	0.85	NO	
L0002726	0	0.12440E-07	496566.5	3606143.5	39.0	0.00	1.53	0.85	NO	
L0002727	0	0.12440E-07	496566.9	3606140.3	39.0	0.00	1.53	0.85	NO	

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	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 , 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 ,
	L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 , L0002313 , L0002314 ,
	L0002315 , L0002316 , L0002317 , L0002318 , L0002319 , L0002320 , L0002321 , L0002322 ,
	L0002323 , L0002324 , L0002325 , L0002326 , L0002327 , L0002328 , L0002329 , L0002330 ,
	L0002331 , L0002332 , L0002333 , L0002334 , L0002335 , L0002336 , L0002337 , L0002338 ,
	L0002339 , L0002340 , L0002341 , L0002342 , L0002343 , L0002344 , L0002345 , L0002346 ,
	L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 , L0002354 ,

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 , L0002362 ,
	L0002363 , L0002364 , L0002365 , L0002366 , L0002367 , L0002368 , L0002369 , L0002370 ,
	L0002371 , L0002372 , L0002373 , L0002374 , L0002375 , L0002376 , L0002377 , L0002378 ,
	L0002379 , L0002380 , L0002381 , L0002382 , L0002383 , L0002384 , L0002385 , L0002386 ,
	L0002387 , L0002388 , L0002389 , L0002390 , L0002391 , L0002392 , L0002393 , L0002394 ,
	L0002395 , L0002396 , L0002397 , L0002398 , L0002399 , L0002400 , L0002401 , L0002402 ,
	L0002403 , L0002404 , L0002405 , L0002406 , L0002407 , L0002408 , L0002409 , L0002410 ,
	L0002411 , L0002412 , L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 ,
	L0002419 , L0002420 , L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 ,
	L0002427 , L0002428 , L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 ,
	L0002435 , L0002436 , L0002437 , L0002438 , L0002439 , L0002440 , L0002441 , L0002442 ,
	L0002443 , L0002444 , L0002445 , L0002446 , L0002447 , L0002448 , L0002449 , L0002450 ,
	L0002451 , L0002452 , L0002453 , L0002454 , L0002455 , L0002456 , L0002457 , L0002458 ,
	L0002459 , L0002460 , L0002461 , L0002462 , L0002463 , L0002464 , L0002465 , L0002466 ,
	L0002467 , L0002468 , L0002469 , L0002470 , L0002471 , L0002472 , L0002473 , L0002474 ,
	L0002475 , L0002476 , L0002477 , L0002478 , L0002479 , L0002480 , L0002481 , L0002482 ,
	L0002483 , L0002484 , L0002485 , L0002486 , L0002487 , L0002488 , L0002489 , L0002490 ,
	L0002491 , L0002492 , L0002493 , L0002494 , L0002495 , L0002496 , L0002497 , L0002498 ,
	L0002499 , L0002500 , L0002501 , L0002502 , L0002503 , L0002504 , L0002505 , L0002506 ,
	L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 ,

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 ,
	L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 ,
	L0002531 , L0002532 , STCK1 , STCK2 , STCK3 , STCK4 , L0002533 , L0002534 ,
	L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 ,
	L0002543 , L0002544 , L0002545 , L0002546 , L0002547 , L0002548 , L0002549 , L0002550 ,
	L0002551 , L0002552 , L0002553 , L0002554 , L0002555 , L0002556 , L0002557 , L0002558 ,
	L0002559 , L0002560 , L0002561 , L0002562 , L0002563 , L0002564 , L0002565 , L0002566 ,
	L0002567 , L0002568 , L0002569 , L0002570 , L0002571 , L0002572 , L0002573 , L0002574 ,
	L0002575 , L0002576 , L0002577 , L0002578 , L0002579 , L0002580 , L0002581 , L0002582 ,
	L0002583 , L0002584 , L0002585 , L0002586 , L0002587 , L0002588 , L0002589 , L0002590 ,
	L0002591 , L0002592 , L0002593 , L0002594 , L0002595 , L0002596 , L0002597 , L0002598 ,
	L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 , L0002605 , L0002606 ,
	L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , L0002612 , L0002613 , L0002614 ,
	L0002615 , L0002616 , L0002617 , L0002618 , L0002619 , L0002620 , L0002621 , L0002622 ,
	L0002623 , L0002624 , L0002625 , L0002626 , L0002627 , L0002628 , L0002629 , L0002630 ,
	L0002631 , L0002632 , L0002633 , L0002634 , L0002635 , L0002636 , L0002637 , L0002638 ,
	L0002639 , L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 , L0002646 ,
	L0002647 , L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 , L0002654 ,
	L0002655 , L0002656 , L0002657 , L0002658 , L0002659 , L0002660 , L0002661 , L0002662 ,
	L0002663 , L0002664 , L0002665 , L0002666 , L0002667 , L0002668 , L0002669 , L0002670 ,

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0002671 , L0002672 , L0002673 , L0002674 , L0002675 , L0002676 , L0002677 , L0002678 ,
	L0002679 , L0002680 , L0002681 , L0002682 , L0002683 , L0002684 , L0002685 , L0002686 ,
	L0002687 , L0002688 , L0002689 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 ,
	L0002695 , L0002696 , L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 ,
	L0002703 , L0002704 , L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 ,
	L0002711 , L0002712 , L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 ,
	L0002719 , L0002720 , L0002721 , L0002722 , L0002723 , L0002724 , L0002725 , L0002726 ,
	L0002727 ,

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-61.0,	49.4,	2	12.2,	161.1,	211.6,	-75.1,	56.1,
3	12.2,	183.0,	214.4,	-86.9,	61.0,	4	12.2,	199.4,	210.7,	-96.0,	64.0,
5	12.2,	209.6,	201.1,	-102.2,	65.0,	6	12.2,	213.8,	185.4,	-105.4,	64.0,
7	12.2,	211.8,	164.2,	-105.3,	60.8,	8	12.2,	203.3,	138.5,	-102.0,	55.8,
9	12.2,	188.7,	108.5,	-95.6,	49.1,	10	12.2,	202.5,	134.6,	-116.8,	40.2,
11	12.2,	211.6,	161.1,	-136.7,	30.7,	12	12.2,	214.4,	183.0,	-152.5,	20.3,
13	12.2,	210.7,	199.4,	-163.6,	9.3,	14	12.2,	201.1,	209.6,	-169.8,	-1.7,
15	12.2,	185.4,	213.8,	-170.9,	-12.7,	16	12.2,	164.2,	211.8,	-166.7,	-23.2,
17	12.2,	138.5,	203.3,	-157.5,	-32.8,	18	12.2,	108.5,	188.7,	-143.4,	-41.4,
19	12.2,	134.6,	202.5,	-141.4,	-49.4,	20	12.2,	161.1,	211.6,	-136.5,	-56.1,
21	12.2,	183.0,	214.4,	-127.5,	-61.0,	22	12.2,	199.4,	210.7,	-114.7,	-64.0,
23	12.2,	209.6,	201.1,	-98.8,	-65.0,	24	12.2,	213.8,	185.4,	-80.0,	-64.0,
25	12.2,	211.8,	164.2,	-59.0,	-60.8,	26	12.2,	203.3,	138.5,	-36.5,	-55.8,
27	12.2,	188.7,	108.5,	-12.8,	-49.1,	28	12.2,	202.5,	134.6,	-17.9,	-40.2,
29	12.2,	211.6,	161.1,	-24.4,	-30.7,	30	12.2,	214.4,	183.0,	-30.5,	-20.3,
31	12.2,	210.7,	199.4,	-35.7,	-9.3,	32	12.2,	201.1,	209.6,	-39.8,	1.7,
33	12.2,	185.4,	213.8,	-42.9,	12.7,	34	12.2,	164.2,	211.8,	-45.1,	23.2,
35	12.2,	138.5,	203.3,	-45.9,	32.8,	36	12.2,	108.5,	188.7,	-45.3,	41.4,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-91.8,	43.1,	2	12.2,	161.1,	211.6,	-104.2,	44.6,
3	12.2,	183.0,	214.4,	-113.6,	44.5,	4	12.2,	199.4,	210.7,	-119.5,	43.1,
5	12.2,	209.6,	201.1,	-121.7,	40.4,	6	12.2,	213.8,	185.4,	-120.3,	36.4,
7	12.2,	211.8,	164.2,	-115.2,	31.0,	8	12.2,	203.3,	138.5,	-106.6,	24.8,
9	12.2,	188.7,	108.5,	-94.7,	17.7,	10	12.2,	202.5,	134.6,	-110.4,	9.5,
11	12.2,	211.6,	161.1,	-125.1,	1.6,	12	12.2,	214.4,	183.0,	-136.0,	-6.4,
13	12.2,	210.7,	199.4,	-142.8,	-14.1,	14	12.2,	201.1,	209.6,	-145.2,	-21.2,
15	12.2,	185.4,	213.8,	-143.2,	-27.6,	16	12.2,	164.2,	211.8,	-136.9,	-33.0,
17	12.2,	138.5,	203.3,	-126.4,	-37.3,	18	12.2,	108.5,	188.7,	-112.1,	-40.5,
19	12.2,	134.6,	202.5,	-110.7,	-43.1,	20	12.2,	161.1,	211.6,	-107.4,	-44.6,
21	12.2,	183.0,	214.4,	-100.8,	-44.5,	22	12.2,	199.4,	210.7,	-91.2,	-43.1,
23	12.2,	209.6,	201.1,	-79.4,	-40.4,	24	12.2,	213.8,	185.4,	-65.1,	-36.4,
25	12.2,	211.8,	164.2,	-49.1,	-31.0,	26	12.2,	203.3,	138.5,	-31.9,	-24.8,
27	12.2,	188.7,	108.5,	-13.7,	-17.7,	28	12.2,	202.5,	134.6,	-24.2,	-9.5,
29	12.2,	211.6,	161.1,	-36.0,	-1.6,	30	12.2,	214.4,	183.0,	-47.0,	6.4,
31	12.2,	210.7,	199.4,	-56.5,	14.1,	32	12.2,	201.1,	209.6,	-64.4,	21.2,
33	12.2,	185.4,	213.8,	-70.5,	27.6,	34	12.2,	164.2,	211.8,	-74.8,	33.0,
35	12.2,	138.5,	203.3,	-76.9,	37.3,	36	12.2,	108.5,	188.7,	-76.6,	40.5,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-122.3,	38.4,	2	12.2,	161.1,	211.6,	-133.5,	34.6,
3	12.2,	183.0,	214.4,	-140.7,	29.7,	4	12.2,	199.4,	210.7,	-143.6,	23.8,
5	12.2,	209.6,	201.1,	-142.1,	17.2,	6	12.2,	213.8,	185.4,	-136.3,	9.9,
7	12.2,	211.8,	164.2,	-126.4,	2.2,	8	12.2,	203.3,	138.5,	-112.6,	-5.6,
9	12.2,	188.7,	108.5,	-95.4,	-13.2,	10	12.2,	202.5,	134.6,	-105.7,	-21.1,
11	12.2,	211.6,	161.1,	-115.2,	-27.7,	12	12.2,	214.4,	183.0,	-121.2,	-33.5,
13	12.2,	210.7,	199.4,	-123.5,	-38.2,	14	12.2,	201.1,	209.6,	-122.0,	-41.6,
15	12.2,	185.4,	213.8,	-116.8,	-43.6,	16	12.2,	164.2,	211.8,	-108.1,	-44.2,
17	12.2,	138.5,	203.3,	-96.1,	-43.4,	18	12.2,	108.5,	188.7,	-81.2,	-41.2,
19	12.2,	134.6,	202.5,	-80.2,	-38.4,	20	12.2,	161.1,	211.6,	-78.1,	-34.6,
21	12.2,	183.0,	214.4,	-73.7,	-29.7,	22	12.2,	199.4,	210.7,	-67.1,	-23.8,
23	12.2,	209.6,	201.1,	-59.0,	-17.2,	24	12.2,	213.8,	185.4,	-49.1,	-9.9,
25	12.2,	211.8,	164.2,	-37.9,	-2.2,	26	12.2,	203.3,	138.5,	-25.9,	5.6,
27	12.2,	188.7,	108.5,	-13.1,	13.2,	28	12.2,	202.5,	134.6,	-28.9,	21.1,
29	12.2,	211.6,	161.1,	-45.9,	27.7,	30	12.2,	214.4,	183.0,	-61.9,	33.5,
31	12.2,	210.7,	199.4,	-75.9,	38.2,	32	12.2,	201.1,	209.6,	-87.6,	41.6,
33	12.2,	185.4,	213.8,	-96.9,	43.6,	34	12.2,	164.2,	211.8,	-103.7,	44.2,
35	12.2,	138.5,	203.3,	-107.2,	43.4,	36	12.2,	108.5,	188.7,	-107.6,	41.2,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.6,	202.5,	-161.6,	31.7,	2	12.2,	161.1,	211.6,	-171.0,	21.2,
3	12.2,	183.0,	214.4,	-175.3,	9.9,	4	12.2,	199.4,	210.7,	-174.2,	-1.7,
5	12.2,	209.6,	201.1,	-167.9,	-13.2,	6	12.2,	213.8,	185.4,	-156.4,	-24.4,
7	12.2,	211.8,	164.2,	-140.2,	-35.1,	8	12.2,	203.3,	138.5,	-119.7,	-44.8,
9	12.2,	188.7,	108.5,	-95.6,	-53.0,	10	12.2,	202.5,	134.6,	-99.0,	-60.3,
11	12.2,	211.6,	161.1,	-101.8,	-65.2,	12	12.2,	214.4,	183.0,	-101.5,	-68.1,
13	12.2,	210.7,	199.4,	-98.0,	-68.9,	14	12.2,	201.1,	209.6,	-91.6,	-67.3,
15	12.2,	185.4,	213.8,	-82.5,	-63.7,	16	12.2,	164.2,	211.8,	-70.8,	-58.1,
17	12.2,	138.5,	203.3,	-56.9,	-50.5,	18	12.2,	108.5,	188.7,	-41.3,	-41.4,
19	12.2,	134.6,	202.5,	-40.9,	-31.7,	20	12.2,	161.1,	211.6,	-40.6,	-21.2,
21	12.2,	183.0,	214.4,	-39.1,	-9.9,	22	12.2,	199.4,	210.7,	-36.5,	1.7,
23	12.2,	209.6,	201.1,	-33.2,	13.2,	24	12.2,	213.8,	185.4,	-29.0,	24.4,
25	12.2,	211.8,	164.2,	-24.1,	35.1,	26	12.2,	203.3,	138.5,	-18.7,	44.8,
27	12.2,	188.7,	108.5,	-12.8,	53.0,	28	12.2,	202.5,	134.6,	-35.6,	60.3,
29	12.2,	211.6,	161.1,	-59.3,	65.2,	30	12.2,	214.4,	183.0,	-81.6,	68.1,
31	12.2,	210.7,	199.4,	-101.3,	68.9,	32	12.2,	201.1,	209.6,	-118.0,	67.3,
33	12.2,	185.4,	213.8,	-131.3,	63.7,	34	12.2,	164.2,	211.8,	-141.0,	58.1,
35	12.2,	138.5,	203.3,	-146.4,	50.5,	36	12.2,	108.5,	188.7,	-147.4,	41.4,

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

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

496437.3, 496496.9, 496556.5, 496616.1, 496675.8, 496735.3, 496794.9, 496854.5, 496914.1, 496973.8,
497033.3, 497092.9, 497152.5, 497212.1, 497271.8, 497331.3, 497390.9, 497450.5, 497510.1, 497569.8,
497629.3,

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

3606072.0, 3606131.2, 3606190.3, 3606249.4, 3606308.6, 3606367.7, 3606426.8, 3606486.0, 3606545.1, 3606604.2,
3606663.3, 3606722.5, 3606781.6, 3606840.7, 3606899.9, 3606959.0, 3607018.1, 3607077.2, 3607136.4, 3607195.5,
3607254.6,

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	68.00	67.00	61.50	61.40	54.30	57.70	59.70
3607195.51	72.10	68.40	66.60	66.10	59.60	54.00	56.50	57.80	58.60
3607136.38	72.40	66.00	65.40	64.20	56.60	53.00	55.70	59.00	59.60
3607077.25	72.60	62.20	62.60	62.90	48.40	54.40	58.20	59.70	61.50
3607018.12	59.50	56.80	59.50	61.20	53.60	53.70	60.30	63.90	68.00
3606958.99	54.40	52.60	57.00	60.00	54.80	55.60	62.40	65.10	68.60
3606899.86	46.70	50.20	55.80	58.70	58.30	58.20	65.70	68.50	72.40
3606840.73	48.90	49.90	55.10	57.20	63.80	62.90	63.90	68.30	69.20
3606781.60	48.20	52.80	54.50	56.50	64.70	66.80	63.70	64.40	65.60
3606722.47	50.90	52.50	55.10	54.30	66.20	66.80	65.00	61.30	60.70
3606663.34	54.50	57.10	55.00	52.60	64.70	64.00	66.30	60.80	57.90
3606604.21	56.30	58.80	51.40	50.40	60.50	59.70	61.60	62.50	54.60
3606545.08	58.30	59.00	47.30	48.80	56.10	53.90	57.80	58.20	50.60
3606485.95	54.50	56.20	44.40	47.20	51.00	49.40	48.20	47.40	45.60
3606426.82	53.30	50.30	42.30	45.70	43.20	46.40	45.10	43.70	42.60
3606367.69	39.50	38.70	39.70	40.40	39.00	40.20	40.50	40.70	39.80
3606308.56	38.20	37.00	41.00	42.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	41.00	41.70	35.70	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	38.50	41.10	35.00	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	36.10	40.10	34.10	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	34.50	38.40	33.70	33.70	34.00	29.30	27.80

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	65.20	67.50	72.50	76.70	80.10	84.70	85.30	99.00	100.10
3607195.51	61.30	65.70	70.70	74.40	76.60	80.60	82.80	86.80	87.50
3607136.38	64.40	75.90	80.00	78.20	76.90	74.10	80.90	83.60	88.20
3607077.25	75.10	80.20	80.90	77.80	75.10	72.10	77.80	84.60	97.10
3607018.12	79.90	81.00	81.80	78.40	76.80	70.30	75.70	94.70	98.20
3606958.99	76.20	81.00	80.90	79.10	75.70	67.00	75.50	92.50	92.30
3606899.86	73.00	77.50	77.90	77.80	73.20	62.70	72.30	79.40	77.70
3606840.73	69.10	77.40	77.70	68.70	65.10	60.30	65.00	68.30	81.60
3606781.60	64.40	73.30	74.10	63.10	56.30	57.70	62.30	72.50	76.20
3606722.47	63.30	63.80	64.10	57.30	53.90	56.10	57.00	56.70	65.30
3606663.34	61.00	62.50	59.10	54.30	53.20	55.10	56.90	56.60	61.90
3606604.21	54.40	55.20	50.40	53.50	52.20	50.00	51.30	50.80	49.30
3606545.08	48.60	44.70	45.10	46.60	47.00	48.50	49.40	49.10	44.30
3606485.95	44.90	41.60	42.90	44.40	44.30	45.00	44.00	42.80	43.20
3606426.82	42.50	41.80	42.60	44.00	43.50	43.10	43.20	41.80	42.00
3606367.69	39.60	39.90	40.40	41.10	41.40	41.60	41.20	41.00	40.40
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	35.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	31.30	30.00	30.00
3606131.17	34.40	33.10	29.00	28.40	27.90	29.60	28.70	29.70	29.50
3606072.04	27.10	26.40	26.60	27.20	27.70	27.50	28.10	28.60	28.90

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497510.15	497569.75	497629.35
3607254.64	102.70	107.40	104.40
3607195.51	92.20	95.00	98.50
3607136.38	95.90	97.40	100.30
3607077.25	100.10	101.10	103.90
3607018.12	98.70	102.50	103.70
3606958.99	90.30	101.40	103.10
3606899.86	79.10	92.10	93.50
3606840.73	90.10	90.90	90.20
3606781.60	74.50	72.40	71.20
3606722.47	66.70	62.80	62.50
3606663.34	65.40	56.40	57.40
3606604.21	51.20	53.90	58.40
3606545.08	44.40	45.00	46.00
3606485.95	43.10	43.10	43.30
3606426.82	42.50	42.40	42.90
3606367.69	40.60	40.90	41.30
3606308.56	39.70	39.90	40.60
3606249.43	40.20	40.00	39.90
3606190.30	29.90	29.60	29.80
3606131.17	29.10	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	73.10	71.10	76.50	67.00	76.00	76.00	80.50	80.50	130.10
3607195.51	72.10	68.40	66.60	66.10	66.50	76.00	81.70	81.70	81.90
3607136.38	72.40	72.70	65.40	64.20	66.50	81.70	81.90	81.90	82.20
3607077.25	72.60	72.90	62.60	62.90	81.90	81.90	81.90	81.90	82.20
3607018.12	73.00	72.90	72.90	61.20	63.00	81.90	81.90	81.90	81.90
3606958.99	73.00	72.90	72.00	60.00	58.90	81.90	72.40	81.90	81.90
3606899.86	73.00	72.90	59.20	58.70	58.30	71.70	65.70	72.10	72.40
3606840.73	72.90	72.90	64.80	65.20	64.50	62.90	63.90	68.30	73.20
3606781.60	48.20	52.80	66.20	66.70	64.70	66.80	67.90	64.40	77.50
3606722.47	50.90	59.00	66.20	67.40	66.20	66.80	66.70	61.30	78.30
3606663.34	56.30	58.80	66.20	67.50	64.70	64.00	66.30	66.50	78.00
3606604.21	56.30	58.80	66.20	66.50	62.30	65.70	65.50	62.50	66.50
3606545.08	58.30	59.00	66.10	66.20	57.70	66.10	62.00	62.50	66.50
3606485.95	54.50	59.20	59.30	62.30	52.50	65.70	66.50	66.50	66.50
3606426.82	53.30	59.20	59.30	45.70	65.70	46.40	65.70	65.70	62.50
3606367.69	59.30	59.30	59.30	59.20	65.70	65.70	62.50	62.50	62.50
3606308.56	59.20	59.30	45.20	44.70	37.10	39.80	38.10	38.10	37.80
3606249.43	37.10	36.70	43.00	41.70	41.00	36.10	36.30	35.90	35.70
3606190.30	34.70	35.00	42.30	41.10	40.80	34.70	34.60	34.20	33.90
3606131.17	34.00	34.10	40.80	40.10	40.50	34.10	33.50	33.60	33.30
3606072.04	33.40	33.60	39.70	38.40	33.70	33.70	34.00	33.50	33.40

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	129.60	130.80	130.80	130.80	130.90	130.90	130.90	129.00	129.00
3607195.51	130.10	130.10	130.10	130.80	130.90	130.90	130.90	130.90	139.00
3607136.38	82.20	80.80	80.00	78.20	129.60	130.90	130.80	130.80	129.00
3607077.25	81.70	80.20	80.90	81.10	129.00	130.80	129.60	129.00	98.10
3607018.12	81.70	81.00	81.80	78.40	98.60	129.60	129.00	98.60	98.20
3606958.99	81.90	81.00	80.90	79.10	98.60	129.00	103.80	98.60	99.00
3606899.86	81.60	81.60	77.90	77.80	98.60	129.00	104.30	102.70	125.50
3606840.73	81.60	77.40	78.20	98.50	99.20	127.90	125.50	125.50	104.30
3606781.60	81.60	78.30	78.50	98.60	104.30	125.50	125.50	104.30	104.30
3606722.47	78.50	78.50	78.50	98.70	104.30	125.50	125.50	125.50	125.50
3606663.34	78.30	78.50	78.50	98.60	102.30	104.30	125.50	125.50	125.50
3606604.21	78.50	78.50	78.50	78.50	98.70	125.50	125.50	125.50	128.20
3606545.08	78.50	78.50	78.50	98.50	101.60	104.30	125.50	125.50	128.30
3606485.95	78.00	78.50	78.50	78.50	98.50	101.60	125.50	125.50	125.50
3606426.82	62.50	41.80	42.60	44.00	43.50	43.10	101.60	125.50	125.50
3606367.69	62.50	39.90	40.40	41.10	41.40	41.60	41.20	112.20	125.50
3606308.56	37.90	38.60	38.00	38.20	39.10	39.20	38.00	39.30	39.60
3606249.43	36.30	37.50	37.90	37.90	37.60	37.40	38.10	37.60	40.00
3606190.30	35.20	36.20	37.10	37.60	36.40	37.70	38.10	38.50	40.30
3606131.17	34.40	33.10	37.70	37.80	37.90	37.90	37.90	29.70	29.50
3606072.04	46.60	46.60	46.60	46.20	45.90	45.90	45.30	45.20	28.90

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	497510.15	497569.75	497629.35
3607254.64	129.00	128.70	139.00
3607195.51	139.00	139.00	139.00
3607136.38	128.70	128.00	139.00
3607077.25	100.10	103.70	107.80
3607018.12	98.70	102.50	103.70
3606958.99	104.30	101.40	103.10
3606899.86	125.50	104.30	125.50
3606840.73	90.60	90.90	125.50
3606781.60	125.50	125.90	128.30
3606722.47	125.50	128.30	139.00
3606663.34	125.50	132.20	136.70
3606604.21	128.30	128.30	128.30
3606545.08	128.30	132.20	136.70
3606485.95	128.30	128.30	128.30
3606426.82	126.40	128.30	128.30
3606367.69	125.50	126.40	128.20
3606308.56	125.50	125.50	125.50
3606249.43	40.20	40.00	39.90
3606190.30	125.50	125.50	125.50
3606131.17	39.40	30.90	30.60
3606072.04	29.10	30.50	30.00

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

(	497063.6,	3606807.8,	78.2,	78.2,	0.0);	(	496962.2,	3606775.4,	63.0,	81.6,	0.0);
(	496960.6,	3606692.3,	61.2,	78.3,	0.0);	(	496963.9,	3606567.3,	51.9,	78.3,	0.0);
(	496956.1,	3606409.6,	41.7,	62.5,	0.0);	(	496869.7,	3606414.9,	43.6,	62.5,	0.0);
(	496768.2,	3606419.4,	45.8,	62.5,	0.0);	(	496687.5,	3606578.0,	58.4,	58.4,	0.0);
(	497159.2,	3606873.8,	77.5,	77.5,	0.0);	(	496517.0,	3606174.8,	34.5,	42.3,	0.0);

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002693	496556.5	3606249.4	0.28
L0002694	496556.5	3606249.4	0.02

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

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

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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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: NonDFAULT CONC FLAT and ELEV RURAL

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

Surface file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.SFC Met Version: 14134
Profile file: C:\Users\cateh\OneDrive\Desktop\HRA\722904.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3178 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-3.2	0.067	-9.000	-9.000	-999.	41.	8.2	0.05	1.05	1.00	1.76	191.	10.0	281.4	2.0
09	01	01	1	02	-3.3	0.068	-9.000	-9.000	-999.	42.	8.4	0.06	1.05	1.00	1.76	168.	10.0	282.5	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	280.9	2.0
09	01	01	1	04	-3.3	0.068	-9.000	-9.000	-999.	42.	8.3	0.06	1.05	1.00	1.76	133.	10.0	279.9	2.0
09	01	01	1	05	-15.4	0.274	-9.000	-9.000	-999.	345.	119.1	0.06	1.05	1.00	3.86	143.	10.0	279.2	2.0
09	01	01	1	06	-12.3	0.110	-9.000	-9.000	-999.	113.	9.6	0.06	1.05	1.00	2.86	122.	10.0	279.2	2.0
09	01	01	1	07	-4.6	0.068	-9.000	-9.000	-999.	43.	5.9	0.06	1.05	1.00	1.76	135.	10.0	280.9	2.0
09	01	01	1	08	-3.3	0.063	-9.000	-9.000	-999.	38.	6.7	0.04	1.05	0.49	1.76	103.	10.0	282.0	2.0
09	01	01	1	09	35.2	-9.000	-9.000	-9.000	68.	-999.	-99999.0	0.06	1.05	0.29	0.00	0.	10.0	285.4	2.0
09	01	01	1	10	85.4	-9.000	-9.000	-9.000	144.	-999.	-99999.0	0.06	1.05	0.23	0.00	0.	10.0	287.5	2.0
09	01	01	1	11	119.2	-9.000	-9.000	-9.000	225.	-999.	-99999.0	0.06	1.05	0.21	0.00	0.	10.0	288.1	2.0
09	01	01	1	12	135.4	0.193	1.071	0.009	323.	204.	-4.8	0.06	1.05	0.20	1.76	999.	10.0	289.2	2.0
09	01	01	1	13	133.4	-9.000	-9.000	-9.000	428.	-999.	-99999.0	0.06	1.05	0.20	0.00	0.	10.0	290.9	2.0
09	01	01	1	14	111.9	0.350	1.173	0.007	513.	496.	-33.9	0.12	1.05	0.21	3.36	289.	10.0	289.9	2.0
09	01	01	1	15	72.9	0.340	1.069	0.007	595.	476.	-47.8	0.12	1.05	0.24	3.36	272.	10.0	288.8	2.0
09	01	01	1	16	19.2	0.362	0.691	0.007	609.	522.	-219.2	0.12	1.05	0.33	3.86	264.	10.0	286.4	2.0
09	01	01	1	17	-16.0	0.278	-9.000	-9.000	-999.	355.	118.8	0.12	1.05	0.60	3.36	251.	10.0	284.2	2.0
09	01	01	1	18	-12.6	0.228	-9.000	-9.000	-999.	262.	83.7	0.12	1.05	1.00	2.86	287.	10.0	284.2	2.0
09	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.8	2.0
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	283.1	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	1.05	1.00	0.00	0.	10.0	282.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	191.	1.76	281.5	99.0	-99.00	-99.00

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

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496437.35	496496.95	496556.55	496616.15	496675.75	496735.35	496794.95	496854.55	496914.15
3607254.64	0.00008	0.00008	0.00009	0.00009	0.00009	0.00008	0.00008	0.00007	0.00006
3607195.51	0.00008	0.00009	0.00010	0.00010	0.00011	0.00010	0.00009	0.00008	0.00007
3607136.38	0.00008	0.00010	0.00011	0.00011	0.00013	0.00013	0.00011	0.00010	0.00008
3607077.25	0.00008	0.00011	0.00012	0.00013	0.00015	0.00015	0.00014	0.00013	0.00011
3607018.12	0.00010	0.00012	0.00013	0.00014	0.00016	0.00017	0.00017	0.00016	0.00013
3606958.99	0.00012	0.00013	0.00013	0.00014	0.00017	0.00019	0.00020	0.00021	0.00019
3606899.86	0.00013	0.00014	0.00014	0.00014	0.00017	0.00020	0.00022	0.00025	0.00025
3606840.73	0.00014	0.00014	0.00014	0.00015	0.00015	0.00019	0.00023	0.00028	0.00035
3606781.60	0.00015	0.00015	0.00015	0.00015	0.00014	0.00017	0.00023	0.00031	0.00043
3606722.47	0.00016	0.00017	0.00019	0.00019	0.00014	0.00017	0.00022	0.00031	0.00052
3606663.34	0.00015	0.00016	0.00023	0.00045	0.00019	0.00019	0.00021	0.00031	0.00049
3606604.21	0.00014	0.00016	0.00028	0.00055	0.00028	0.00025	0.00025	0.00028	0.00041
3606545.08	0.00014	0.00015	0.00033	0.00047	0.00032	0.00031	0.00026	0.00027	0.00036
3606485.95	0.00016	0.00017	0.00038	0.00045	0.00041	0.00039	0.00040	0.00040	0.00043
3606426.82	0.00016	0.00023	0.00052	0.00053	0.00096	0.00068	0.00075	0.00079	0.00078
3606367.69	0.00029	0.00052	0.00088	0.00071	0.00072	0.00088	0.00093	0.00100	0.00103
3606308.56	0.00027	0.00038	0.00074	0.00034	0.00027	0.00029	0.00029	0.00029	0.00029
3606249.43	0.00020	0.00030	0.00070	0.00029	0.00019	0.00017	0.00016	0.00015	0.00015
3606190.30	0.00014	0.00020	0.00108	0.00025	0.00014	0.00012	0.00011	0.00010	0.00009
3606131.17	0.00010	0.00011	0.00014	0.00015	0.00010	0.00008	0.00007	0.00007	0.00006
3606072.04	0.00006	0.00006	0.00005	0.00006	0.00005	0.00005	0.00005	0.00004	0.00004

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)								
	496973.75	497033.35	497092.95	497152.55	497212.15	497271.75	497331.35	497390.95	497450.55
3607254.64	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002
3607195.51	0.00006	0.00005	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003
3607136.38	0.00007	0.00005	0.00004	0.00004	0.00004	0.00005	0.00004	0.00003	0.00003
3607077.25	0.00007	0.00005	0.00005	0.00005	0.00005	0.00005	0.00004	0.00004	0.00003
3607018.12	0.00009	0.00007	0.00006	0.00006	0.00006	0.00007	0.00005	0.00004	0.00003
3606958.99	0.00014	0.00010	0.00008	0.00008	0.00008	0.00008	0.00006	0.00004	0.00004
3606899.86	0.00023	0.00016	0.00012	0.00011	0.00011	0.00011	0.00008	0.00006	0.00006
3606840.73	0.00041	0.00033	0.00020	0.00020	0.00017	0.00015	0.00012	0.00011	0.00009
3606781.60	0.00064	0.00042	0.00064	0.00052	0.00032	0.00025	0.00021	0.00017	0.00014
3606722.47	0.00070	0.00113	0.00195	0.00140	0.00070	0.00050	0.00038	0.00030	0.00024
3606663.34	0.00065	0.00125	0.00221	0.00154	0.00098	0.00070	0.00053	0.00041	0.00033
3606604.21	0.00049	0.00062	0.00178	0.00168	0.00111	0.00080	0.00058	0.00045	0.00037
3606545.08	0.00044	0.00046	0.00060	0.00116	0.00163	0.00149	0.00064	0.00046	0.00035
3606485.95	0.00043	0.00045	0.00044	0.00050	0.00085	0.00108	0.00050	0.00037	0.00031
3606426.82	0.00077	0.00078	0.00076	0.00073	0.00091	0.00105	0.00044	0.00032	0.00026
3606367.69	0.00106	0.00110	0.00112	0.00113	0.00105	0.00073	0.00043	0.00031	0.00024
3606308.56	0.00029	0.00029	0.00026	0.00024	0.00023	0.00022	0.00021	0.00020	0.00019
3606249.43	0.00014	0.00014	0.00013	0.00012	0.00012	0.00012	0.00012	0.00013	0.00012
3606190.30	0.00009	0.00008	0.00008	0.00008	0.00007	0.00008	0.00008	0.00008	0.00008
3606131.17	0.00006	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00006	0.00006
3606072.04	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

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

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

Y-COORD (METERS)	X-COORD (METERS)		
	497510.15	497569.75	497629.35
3607254.64	0.00002	0.00002	0.00002
3607195.51	0.00002	0.00002	0.00002
3607136.38	0.00002	0.00002	0.00002
3607077.25	0.00003	0.00002	0.00002
3607018.12	0.00003	0.00003	0.00002
3606958.99	0.00004	0.00003	0.00003
3606899.86	0.00006	0.00005	0.00004
3606840.73	0.00007	0.00007	0.00006
3606781.60	0.00013	0.00012	0.00010
3606722.47	0.00020	0.00017	0.00015
3606663.34	0.00026	0.00023	0.00019
3606604.21	0.00030	0.00026	0.00022
3606545.08	0.00029	0.00025	0.00022
3606485.95	0.00026	0.00023	0.00020
3606426.82	0.00023	0.00020	0.00018
3606367.69	0.00021	0.00018	0.00016
3606308.56	0.00017	0.00015	0.00014
3606249.43	0.00013	0.00012	0.00011
3606190.30	0.00008	0.00008	0.00008
3606131.17	0.00006	0.00006	0.00006
3606072.04	0.00005	0.00005	0.00005

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 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 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
497063.62	3606807.82	0.00034	496962.22	3606775.42	0.00065
496960.57	3606692.34	0.00065	496963.87	3606567.33	0.00044
496956.09	3606409.58	0.00120	496869.73	3606414.95	0.00098
496768.16	3606419.43	0.00081	496687.45	3606578.01	0.00029
497159.16	3606873.81	0.00013	496516.98	3606174.85	0.00022

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872 HRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00221 AT	(497092.95, 3606663.34, 59.10, 78.50, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00195 AT	(497092.95, 3606722.47, 64.10, 78.50, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00178 AT	(497092.95, 3606604.21, 50.40, 78.50, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00168 AT	(497152.55, 3606604.21, 53.50, 78.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00163 AT	(497212.15, 3606545.08, 47.00, 101.60, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00154 AT	(497152.55, 3606663.34, 54.30, 98.60, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00149 AT	(497271.75, 3606545.08, 48.50, 104.30, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00140 AT	(497152.55, 3606722.47, 57.30, 98.70, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00125 AT	(497033.35, 3606663.34, 62.50, 78.50, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00120 AT	(496956.09, 3606409.58, 41.66, 62.53, 0.00)	DC	

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

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV RURAL

*** 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   16961 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13845 Calm Hours Identified

A Total of   3116 Missing Hours Identified (7.10 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   1041   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1042   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1043   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   1044   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
RE W213   182   RECART: ELEV Input Inconsistent With Option: Input Ignored   UCART1
MX W430   33748   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110704
MX W430   33749   METQA: Ambient Temperature Data Out-of-Range. KURDAT =   12110705

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